About the performance of Face Recognition function
Recognition performance varies greatly depending on shooting conditions, i.e., according to factors such as angles, facial expression and lighting, so operation under all conditions cannot be guaranteed. Because the camera searches for faces that are similar to registered faces, there are cases where the faces are not correctly recognized when the registered image and the shooting image varies much. When facial characteristics are similar, particularly between parents and their children or brothers and sisters, the camera may not distinguish the faces.

About Waterproof / Dustproof performance of the camera "DMC-FT1"
This camera is waterproof / dustproof equivalent to "IP58", and is possible to record at a maximum of 3.0 m depth/60 min. This does not guarantee non-destruction, non-malfunction, and water-proofing in all conditions. Please observe specified precautions and avoid product-use beyond the guaranteed underwater duration, or beyond the guaranteed depth of water.
- Attention - To prevent water leakage, confirm that there is no foreign object near card/battery door then close door by pressing until it clicks. • Use underwater up to 3.0 m depth and not longer than 60 minutes continuously. •Do not leave under low temperature in the cold climate, or where the temperature is above 40°C for a long period of time. •When the unit is splashed with detergent, soap, hot spring, bath additive, sun oil, sunscreen, chemical, etc., wipe it off immediately. •After use at the seaside or underwater, soak the unit in fresh water pooled in a shallow container for 10 minutes or less. Do not leave uncared for more than 60 minutes after using underwater. It may cause deterioration of the waterproof performance. •Foreign materials may be attached if the zoom lever or mode dial does not move smoothly. Soak the unit in fresh water, shake it well and then wash the zoom lever and mode dial with tap water. •To maintain the waterproof performance, it is recommended that the waterproof seal (with fee) is replaced at least once every 1 year at the retail store where you have bought the camera.
About Shockproof performance of the camera "DMC-FT1"
This camera has passed a drop test from 1.5 m in height in accordance with "MIL-STD 810F Method 516.5-Shock", but this does not guarantee non-destruction, non-malfunction, and water-proofing in all conditions. Water-proofing is not guaranteed if the unit is subject to an impact as a result of being hit or dropped etc.
- Drop Test – Test standard: MIL-STD 810F Method 516.5-Shock •Drop height: 1.5m •Drop surface: 5cm thick plywood •Number of units tested: 5 •Drop orientations: 26 (each face, edge and corner) •Number of drops: 1 (for each orientation) •Unit inspected after each drop and found to be operating within product specifications. Change of appearance - paint-loss or deformation not measured.

•PHOTOfunSTUDIO: Requires Microsoft® Windows® 2000/XP or Vista®. •SILKYPIX® Developer Studio: Requires Microsoft® Windows® 2000/XP or Vista® (Only a systems administrator with authority can install software on a Windows® XP or 2000), or Apple® Mac OS® X v10.2 or later (Version 10.3 or later is recommended). •ArcSoft® MediaImpression™, Panorama Maker™: Require Microsoft® Windows® 2000/XP/Vista®, or Apple® Mac OS ® v10.3 or newer (Version 10.4 or later is recommended). •Weight and dimensions shown are approximate. •Design, functions, and specifi cations are subject to change without notice. •Some sample images are simulated. •Some accessories are not available in some countries. •The use of recorded or printed materials that are protected by copyright for any purpose other than personal enjoyment is prohibited, as it would infringe upon the rights of the copyright holder. •AVCHD Lite motion images recorded onto an SD Memory Card or a DVD disc cannot be played from a device that does not support the AVCHD standard. •The "AVCHD Lite" and "AVCHD Lite" logos are trademarks of Panasonic Corporation and Sony Corporation. AVCHD is a high-definition (HD) digital video recording / playback format jointly established by Panasonic Corporation and Sony Corporation. AVCHD Lite is a subset of the AVCHD format for HD digital video cameras with HD video recording restricted to 720P. The new "AVCHD Lite" logo and the "AVCHD Lite" license are restricted to devices within the AVCHD Video Camera category. Digital cameras have been added to the AVCHD Video Camera category. For more details, please refer to the "AVCHD Information Website". http://www.avchd-info.org/ •Leica is a registered trademark of Leica Microsystems IR GmbH. •The LEICA DC VARIO-ELMARIT, VARIO-ELMAR, and VARIO-SUMMICRON lenses are manufactured using measurement instruments and quality assurance systems that have been certifi ed by Leica Camera AG based on the company's quality standards. •YouTube is a trademark of Google Inc. •Dolby and the double-D symbol are trademarks of Dolby Laboratories. •HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. •Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. •Apple® and Mac OS® are either registered trademarks or trademarks of Apple, Inc. in the United States and/or other countries. •QuickTime and the QuickTime logo are trademarks or registered trademarks of Apple, Inc., used under license therefrom. •Other names of systems and products mentioned in this brochure are generally the registered trademarks or trademarks of the manufacturers who developed the system or product concerned.
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Works with iPhoto | CERTIFIED FOR Windows Vista® | PictBridge | AVCHD Lite | HDMI | DOLBY DIGITAL

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ideas for life

2009
DIGITAL CAMERAS

LUMIX

LUMIX

SUPER ZOOM MODELS

Perfect for travel, this compact, high-zoom camera makes it easy to shoot beautiful photos and HD movies*

NEW
TZ7/TZ6

•TZ7

Silver Black Brown
Silver Black

page8 ▶

10.1 Megapixels | 25mm WIDE | 12x Optical Zoom | 3.0" LCD TZ7 | 2.7" LCD TZ6 | iA PHOTO & MOVIE | FACE RECOGNITION | HD MOVIE AVCHD Lite

*HD movies available on TZ7 only.

27mm wide-angle lens and 18x optical zoom capture emotional impact

FZ28

Silver Black

page21 ▶

10.1 Megapixels | 27mm WIDE | 18x Optical Zoom | 2.7" LCD | Manual Operation | iA | HD MOVIE

COMPACT MODELS

Stylish model with advanced functions and touch-screen operation

NEW
FX580

Silver Black Gold

page14 ▶

12.1 Megapixels | 25mm WIDE | 5x Optical Zoom | 3.0" LCD | Manual Operation | iA | FACE RECOGNITION | HD MOVIE

Impressive 14.7-megapixel high resolution and easy manual control

FX180

Silver Black Gold

page22 ▶

14.7 Megapixels | 28mm WIDE | 3.6x Optical Zoom | 2.7" LCD | Manual Operation | iA | HD MOVIE

29mm wide-angle lens, 12.1 megapixels, and a range of easy-to-use functions

NEW
FS15

Silver Black Blue

page16 ▶

12.1 Megapixels | 29mm WIDE | 5x Optical Zoom | 2.7" LCD | iA

A cool, colorful camera that takes beautiful photos with automatic ease

•FS7

NEW
FS7/FS6

Silver Black Blue Pink
Silver Black Blue Pink

page18 ▶

10.1 Megapixels FS7 | 8.1 Megapixels FS6 | 4x Optical Zoom | 2.7" LCD FS7 | 2.5" LCD FS6 | iA

TOUGH MODEL

Waterproof, shockproof and ready for active outdoor fun

NEW
FT1

Silver Orange Green Blue

page10 ▶

12.1 Megapixels | 28mm WIDE | 4.6x Optical Zoom | 2.7" LCD | iA PHOTO & MOVIE | FACE RECOGNITION | HD MOVIE AVCHD Lite

Smart 25mm wide-angle model with Face Recognition function

NEW
FX48

Silver Black Pink Gold

page12 ▶

12.1 Megapixels | 25mm WIDE | 5x Optical Zoom | 2.5" LCD | iA | FACE RECOGNITION | HD MOVIE

Easy to use, even for beginners, with iA mode and convenient AA battery operation

NEW
LS85

Silver

page20 ▶

8.1 Megapixels | 4x Optical Zoom | 2.5" LCD | iA

CREATIVE COMPACT

Stunning image quality with F2.0 24mm wide-angle LEICA DC VARIO-SUMMICRON lens

LX3

Silver Black

page23 ▶

10.1 Megapixels | 24mm WIDE | 2.5x Optical Zoom | 3.0" LCD | Manual Operation | iA | HD MOVIE

Easy shooting, easy viewing in a compact model with a large 3-inch LCD

NEW
FS25

Silver Black Gold

page16 ▶

12.1 Megapixels | 29mm WIDE | 5x Optical Zoom | 3.0" LCD | iA

INTERCHANGEABLE LENS SYSTEM CAMERA

An ultra-compact digital interchangeable lens system camera

G1

Black Red Blue

page24 ▶

12.1 Megapixels | 3.0" Free-Angle LCD | Manual Operation | iA | MICRO FOUR THIRDS

Let LUMIX do the work – and see how easy it is to take beautiful still photos and HD movies

Not Just Auto, Intelligent Auto.

Trust iA!

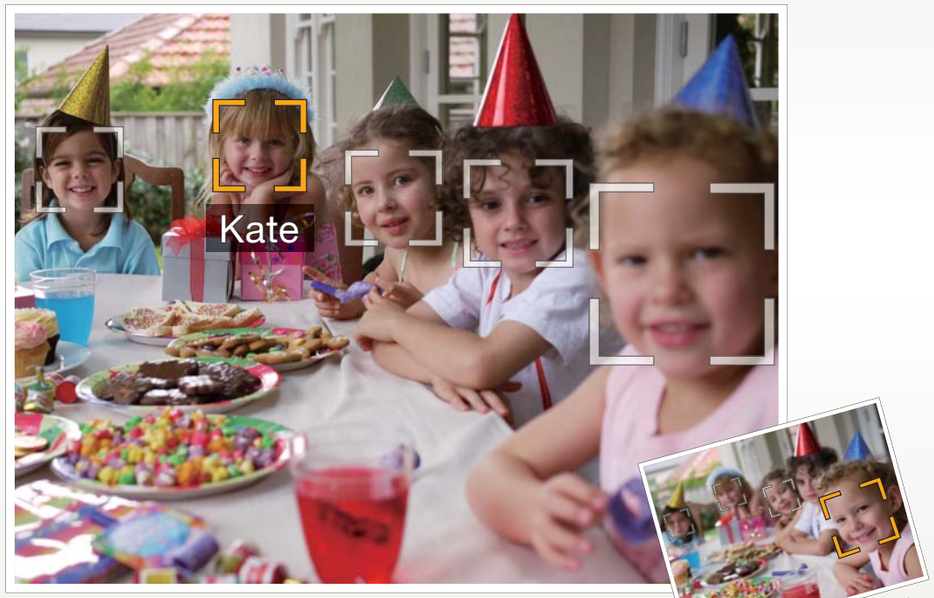
Stills

A camera that remembers faces

Face Recognition

Panasonic's clever Intelligent Auto mode is smarter than ever. In select new LUMIX cameras the iA mode now includes Face Recognition, a function that "remembers" registered faces. When there's a familiar face in the frame, it optimizes the focus and exposure so that the face is in sharp focus and bright. This newly evolved technology makes it easy to get beautiful photos of a loved one in a group of people.

*Turn Face Recognition item ON and resister the person with full-face portrait on the shooting menu in advance. Refer to back page for detail.



With Face Recognition

Without Face Recognition

Movies

Shoot HD motion images with iA ease

HD MOVIE AVCHD Lite

The TZ7 and FT1 make it even easier to take HD (high-definition) motion images by adding a movie button and AVCHD Lite, which lets you take beautiful, long-time HD movies. You can also use the iA mode to shoot motion images, and let the camera do all the work for you. This user-friendly mode automatically selects the most suitable Scene mode and helps correct blurring, focus and brightness problems. All you do is aim and shoot. iA is the easy way to capture beautiful HD movies.

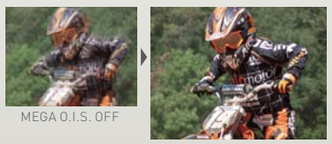
iA Mode

Conventional

iA mode activates detection and correction functions, so you get beautiful, clear shots

MEGA O.I.S.

Helps prevent blurring from hand-shake

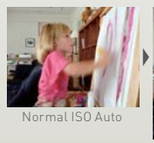


MEGA O.I.S. OFF

MEGA O.I.S. ON

Intelligent ISO Control

Helps prevent blurring caused by the subject moving

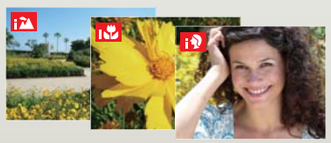


Normal ISO Auto

Intelligent ISO Control

Intelligent Scene Selector

Automatically selects the optimal Scene mode



Intelligent Exposure

Brightens up dark areas

Intelligent Exposure

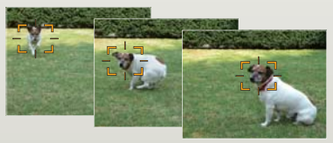
Face Detection AF/AE

Helps deliver clear portraits

Face Detection AF/AE

AF Tracking

Keeps the focus locked onto the subject, even if it moves



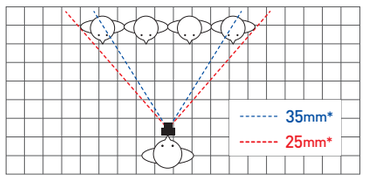
These detection and correction systems are not offered on all models. For details, please see LUMIX FUNCTIONS on pages 26 to 33. ▶

Advanced imaging technologies. Expansive wide-angle shots. Exquisite image rendering. That's the beauty of LUMIX.

* 35mm-lens equivalent

A Wide-Angle Lens Makes a Big Difference

The expressiveness of a wide-angle lens lies in its ability to capture spatial expanse and depth. When you want to shoot a sweeping landscape or fit all your friends in a photo when there isn't much room, there's nothing like a wide-angle lens. For example, the photo area of the 25mm wide-angle lens in the new TZ and FX Series is about 196% that of an ordinary 35mm lens, so you can fit more of your subject in the frame.



WIDE ANGLE

Development of the EA (extra-high refractive index aspherical) lens has made it possible for Panasonic, a leader in optical technology, to fit a wide-angle lens into a slim and compact camera. With LUMIX, everyone from beginners to experienced photographers can enjoy the advantages of wide-angle shooting. **Incorporated in the FX Series.

Wide-Angle 24mm	Wide-Angle 25mm				Wide-Angle 27mm	Wide-Angle 28mm		Wide-Angle 29mm	
LX3	NEW TZ7	NEW TZ6	NEW FX580	NEW FX48	FZ28	NEW FT1	FX180	NEW FS25	NEW FS15

LEICA DC LENS

Renders Clear, Beautiful Images with Minimal Distortion

LEICA DC LENS

The Leica DC lens inherits both its name and its outstanding quality from Leica Camera AG, maker of lenses renowned in the film camera world for their superb performance and compact size. The LEICA DC VARIO-ELMAR, LEICA DC VARIO-ELMARIT, and LEICA DC VARIO-SUMMICRON lenses are featured in LUMIX cameras. Each of these sophisticated lens systems includes several aspherical lenses to compensate for spherical aberration. And each features an advanced multi-coating process that is applied to lens surfaces to help prevent fogging caused by flare and ghosts caused by excessive light. *Leica is a registered trademark of Leica Microsystems IR GmbH. Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

Venus Engine V / Venus Engine HD

High-Speed, High-Quality Image Processing LSI

Venus Engine V and Venus Engine HD

The imaging power of LUMIX has evolved even further. Improved circuitry greatly reduces picture noise while preserving exceptional resolution, sharpness and color reproduction. The new Venus Engine V also introduces a new circuit that makes Face Recognition possible. And the Venus Engine HD boasts two CPUs which achieve the long-time HD motion picture recording in AVCHD Lite (MPEG-4/H.264) while maintaining low power consumption.

NEW TZ7 | NEW TZ6

Enjoy stunning photos and HD movies from 25mm wide-angle to 12x telephoto, with this handy hybrid still/motion image camera

TZ7
-S (Silver) -K (Black) -T (Brown)

TZ6
-S (Silver) -K (Black)

AVCHD Lite (TZ7) – beautiful HD motion images, extended shooting time

The TZ7 records HD motion images with 1280 x 720-pixel resolution. It uses the AVCHD Lite (MPEG-4/H.264), which achieves higher image quality and stores less data than the conventional Motion JPEG.

Movie button for instant recording of videos.

Zoom-in movie: You can zoom in and out while shooting motion images.

Stereo mic: The world's first* compact camera to feature Dolby® Digital Stereo Creator, the TZ7 records dynamic, true-to-life audio that brings out the power of the HD images. * As of January 27, 2009.

Wind cut function: Minimizes the distracting sound you hear from the wind blowing into the mic.

PHOTOfunSTUDIO 3.0 HD Edition: This software (included with the camera) makes it easy to view and edit the AVCHD Lite motion images. *For details, please see "Included Software" on pages 37.

HDMI output and VIERA Link:

The TZ7 is equipped with an HDMI output terminal for direct transmission of digital image and sound signals. Just connect the camera to an HDTV using a single HDMI mini cable (purchased separately), and and it's even easy to enjoy slideshow in which both still and motion images integrated in the recorded timeline. If you have a VIERA TV, you can control the camera's playback functions with VIERA's remote control unit.

•HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
*For details, please see "Living in High Definition with LUMIX" on pages 42.

iA mode, for beautiful photos and movies – automatically

Just set the camera to iA mode, aim and shoot. The camera does all the rest. It automatically determines the most suitable Scene mode and helps correct blurring, focus, and brightness problems. With iA mode, it's easy to get beautiful, clear results.

*In the TZ6, iA mode cannot be used when shooting motion images.

Intelligent Scene Selector

25mm wide-angle LEICA DC VARIO-ELMAR lens with 12x optical zoom

The TZ7/TZ6 packs a LEICA DC VARIO-ELMAR lens with 12x optical zoom into a compact body. This versatile photographic tool lets you shoot everything from sweeping vistas at the 25mm wide-angle setting to dynamic 300mm telephoto shots. And the lens system's exquisite rendering ability lets you capture even the subtle nuances of the sights and scenes in your travels.

Wide 25mm*

12x (300mm*) * 35mm-lens equivalent

•Optional marine case for underwater photography (to a depth of 40 m/131 ft)

See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.
• Dolby and the double-D symbol are trademarks of Dolby Laboratories.

NEW

FT1

Gear up for active outdoor fun with a rugged hybrid still/motion image camera that makes it easy to capture beautiful photos and HD movies

FT1

-S (Silver) -D (Orange) -G (Green) -A (Blue)

PHOTO & MOVIE · MEGA O.I.S. · FACE RECOGNITION · Intelligent Engine HD · 28mm WIDE · LEICA DC LENS · HD MOVIE · AVCHD Lite · HDMI · SDHC · 12.1 Megapixels · 4.6x Optical Zoom · 2.7" LCD

Waterproof, shockproof and dustproof

The camera body is waterproof to 3.0 m. It's dustproof too, so you don't have to worry about dust or sand getting inside. It has passed drop tests at a height of 1.5 m. This is one tough little camera that you can take wherever the action takes you.

Please refer to back page for details about the waterproof and shockproof performance.

AVCHD Lite – lets you shoot beautiful HD motion images for a longer time

The FT1 records HD motion images with 1280 x 720-pixel resolution while zooming in and out. It uses the AVCHD Lite (MPEG-4/H.264), which achieves higher image quality and stores less data than the conventional Motion JPEG.

LED illumination lets you capture bright movies even in a dark place.

AVCHD Lite · DOLBY DIGITAL CREATOR

iA mode, for beautiful photos and movies – automatically

Just set the camera to iA mode, aim and shoot. The camera does the rest, automatically activating seven detection and correction functions. These include MEGA O.I.S., which helps prevent blurring due to shaky hands, and Face Recognition, which finds familiar faces in a group of people and captures them in clear focus and with proper exposure.*

*Turn Face Recognition item ON and resister the person with full-face portrait on the shooting menu in advance. Refer to back page for detail.

MEGA O.I.S.

28mm wide-angle LEICA DC VARIO-ELMAR lens with 4.6x optical zoom

A retracting lens with folding optics is used in this 4.6x zoom lens system, which lets you take shots from 28mm wide-angle to 128mm telephoto. This gives you the flexibility for virtually any shooting situation – even underwater, where your movement is restricted and the angle of view becomes especially important for composing your picture.

Wide 28mm* * 35mm-lens equivalent

4.6x

•Optional marine case for underwater photography (to a depth of 40 m/131 ft)

See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.
• Dolby and the double-D symbol are trademarks of Dolby Laboratories.

NEW

FX48

25mm wide-angle lens model with Face Recognition and lots of style

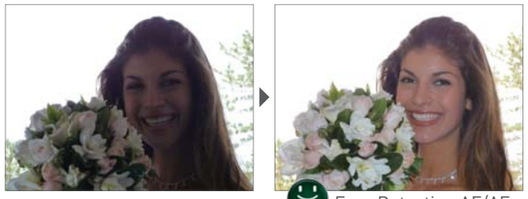
FX48

-S (Silver) -K (Black) -P (Pink) -N (Gold)

When the camera finds a registered person, it displays the name and optimizes the focus and exposure specifically for that person.

An iA mode that's smart enough to remember faces

The FX48 features an enhanced iA mode that includes Face Recognition*, a function that "remembers" registered faces. When there's a familiar face in the frame, it optimizes the focus and exposure so that the face is in sharp focus and bright. iA mode also activates a host of functions (see list at right) that make it easy to get great shots.



Face Detection AF/AE

- **MEGA O.I.S. (Optical Image Stabilizer)** helps prevent blurring caused by shaky hands when shooting.
- **Intelligent ISO Control** helps prevent blurring caused by the subject moving as you shoot.
- **Intelligent Scene Selector** selects the most suitable Scene mode for the situation.
- **Intelligent Exposure** adjusts the brightness of dark areas in an image.
- **Face Detection AF/AE** helps capture sharp, bright shots of faces.
- **AF Tracking** keeps the focus locked onto the subject, even if it moves.

*Turn Face Recognition item ON and resister the person with full-face portrait on the shooting menu in advance. Refer to back page for detail.

Bright F2.8, 25mm wide-angle LEICA DC VARIO-ELMARIT lens with 5x optical zoom

The 25mm wide-angle lens in this super-compact camera captures almost twice the area of an ordinary 35mm lens, making it ideal for shooting group photos indoors or wide landscapes outdoors. The 5x optical zoom pulls distant subjects up close, and the exquisite rendering of the Leica DC lens lets you capture nuanced, expressive photos.

Standard 35mm*

Wide 25mm* * 35mm-lens equivalent

Sorts and organizes photos with familiar faces

Thanks to Face Recognition technology, the camera can find photos of people and sort them in Category Playback mode. This makes it easy to display only photos of a particular person, or to set up a slideshow with just those photos.

- **Up to 350 shots* on a single battery charge** *Based on CIPA standards
- **Optional marine case for underwater photography (to a depth of 40 m/131 ft)**

Create incredible 360° panorama photos

A Panorama Assist mode makes it easy to take a series of images to combine into a panorama shot, while checking the degree of overlap between adjacent shots. This is great for shooting landscapes that are too wide to capture in a single shot. *ArcSoft® Panorama Maker™ software (included with the camera) can be used to stitch the images into a single panorama photo.

See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

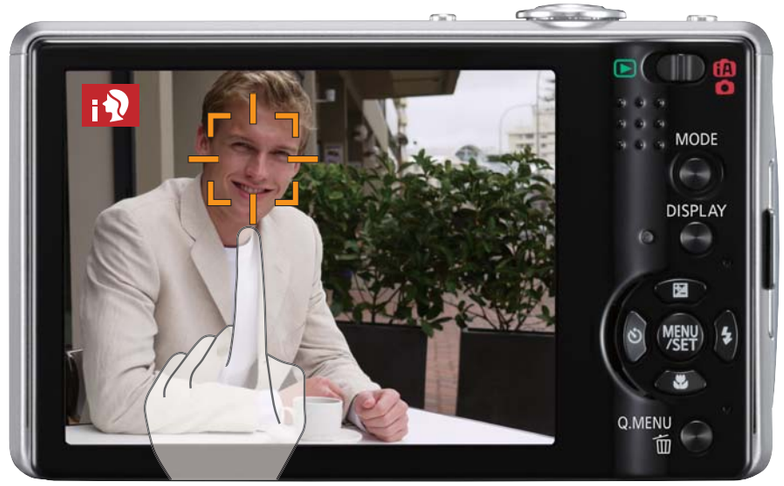
NEW

FX580

A touch is all it takes: High-performance model with smart touch-screen operation

FX580

-S (Silver) -K (Black), -N (Gold)

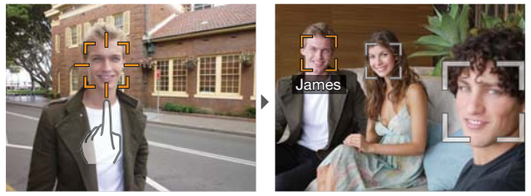


Operation is easier than ever with the hybrid cursor button and touch screen interface.

A 3.0-inch touch-screen LCD for easy use

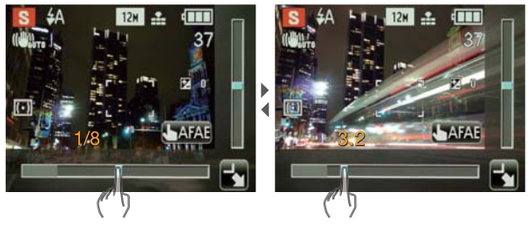
Advanced Touch AF/AE and Face Recognition

Just "point out" the subject by touching the LCD, and the camera does the rest, adjusting the focus and exposure to capture a sharp, bright shot of your subject. Also, each time you indicate a face in iA mode, the Face Recognition function activates and "remembers" it. Subsequently, any time that face appears within a shot you're framing, the camera adjusts the focus and exposure to capture it perfectly.* *Turn Face Recognition item ON and resister the person with full-face portrait on the shooting menu in advance. Refer to back page for detail.



Smooth manual operation

In Shutter-Priority AE, Aperture-Priority AE and Manual modes, just touch the slider bars by the LCD to set the shutter, aperture and exposure correction values.

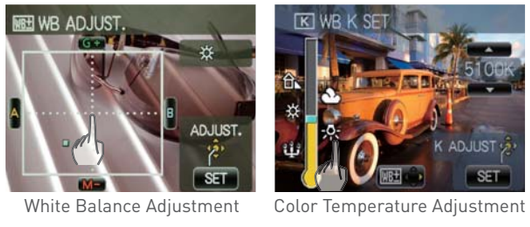


With iA mode and touch operation, shooting is simple

In iA mode, you can simply "point out" your subject by touching it on the LCD. The camera does the rest, automatically selecting the shooting mode that gives the best results. You enjoy easy, intuitive shooting and capture beautiful images of the subject you want to shoot.

Easy white balance adjustment

Just touch the slider bars to fine-adjust the white balance. Color temperature can also be adjusted in a range of 2500 to 10000 K in 100-K intervals.



White Balance Adjustment　　Color Temperature Adjustment

Easy playback with touch operation

The Touch Scroll control feature lets you advance to the next image (or return to the previous one) by simply brushing a finger across the screen. Other convenient playback functions made possible by touch-panel operation include Multi Playback, which lets you view thumbnails of up to 30 photos at once, Easy Search and Sort, and Zoom Playback.

Touch Scroll

•Up to 350 shots* on a single battery charge *Based on CIPA standards

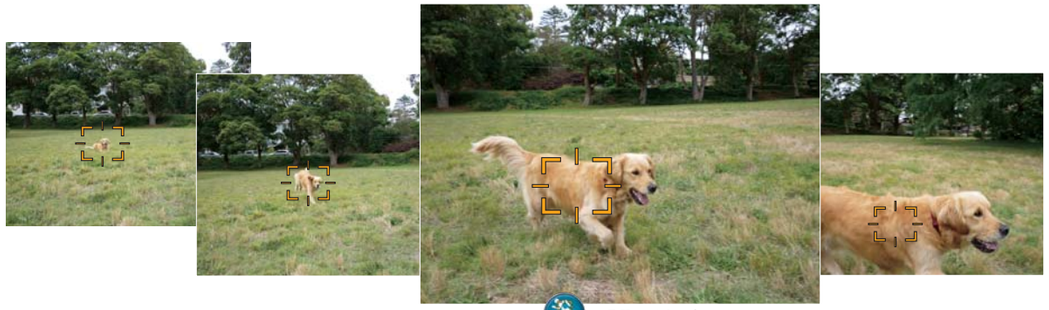
See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

NEW
FS25

Large screen for easy shooting, easy viewing

Capture the beauty of everyday moments.



AF Tracking*

iA mode for one-touch beauty

Press the iA button, aim, and shoot. With the FS25/15, taking great photos is that easy. iA mode activates six detection and correction functions – including AF Tracking, which locks on and follows your subject – so you get beautiful, clear shots.

iA Button

Intelligent Exposure

- **MEGA O.I.S. (Optical Image Stabilizer)**
  helps prevent blurring when the camera shakes.
- **Intelligent ISO Control**
  helps prevent blurring caused by subject motion.
- **Intelligent Scene Selector**
  selects the optimal scene mode for the situation.
- **Intelligent Exposure**
  adjusts the brightness of dark areas in the image.
- **Face Detection AF/AE**
  helps deliver clear portraits.
- **AF Tracking***
  locks the focus onto your moving subject.

*Dynamic tracking function may fail to lock, lose the subject in AF Tracking, or track different subject depending on the recording conditions.

FS25

-S (Silver) -K (Black) -N (Gold)

iA · MEGA O.I.S. · Venus Engine IV · 29mm WIDE · LEICA DC LENS · SD HC · 12.1 Megapixels · 5x Optical Zoom · 3.0" LCD

FS15

-S (Silver) -K (Black), -A (Blue)

iA · MEGA O.I.S. · Venus Engine IV · 29mm WIDE · LEICA DC LENS · SD HC · 12.1 Megapixels · 5x Optical Zoom · 2.7" LCD

NEW
FS15

A host of easy-to-use functions

Capture the beauty of everyday moments.

LEICA DC VARIO-ELMAR lens with 5x optical zoom

The 29mm wide-angle lens captures a wider area than a standard 35mm lens. This combines with the superior rendering performance of the Leica DC lens and 5x optical zoom power. Using the digital Macro Zoom function, you can pull subjects even closer than the closest point possible with the wide-angle setting, and capture dramatic close-ups.

Macro Zoom

Wide 29mm* * 35mm-lens equivalent

5x

Large, easy-to-see Intelligent LCD

The high-resolution, 230,000-dot LCD makes it easier to frame the shot before you shoot and check the results after you shoot. It also makes it more fun to view your photos with family and friends. The FS25's LCD is 3.0 inches. The FS15's is 2.7 inches.

- **Up to 400 shots* on a single battery charge** *Based on CIPA standards

The brightness changes to match your surroundings

The LCD brightness automatically adjusts in 11 steps to match the brightness of your surroundings. This ensures good viewability even outdoors on a sunny day, and improved viewing comfort when you're inside in a dark room.

Easy-to-see menu display

The layout of the settings in the menu display is extremely simple, making it easy to see and switch the settings.

See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

NEW
FS7

Sleek metallic

Colorful designs with a playful, fashionable look.

MEGA O.I.S.

Intelligent ISO Control

With iA mode, taking a beautiful shot is as easy as pressing a button

Just press the iA button, aim and shoot. The camera does all the rest, automatically activating four detection and correction functions (see list at right). These include MEGA O.I.S., which helps prevent blurring due to shaky hands, and Intelligent ISO Control, which helps prevent motion blur when the subject won't stay still.

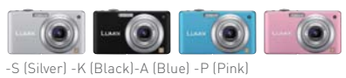
- **MEGA O.I.S. (Optical Image Stabilizer)**
  helps prevent blurring when the camera shakes.
- **Intelligent ISO Control**
  helps prevent blurring caused by subject motion.
- **Intelligent Scene Selector**
  selects the optimal scene mode for the situation.
- **Face Detection AF/AE**
  helps deliver clear portraits.

FS7

-S (Silver) -K (Black) -A (Blue) -P (Pink)

iA · MEGA O.I.S. · Venus Engine IV · LEICA DC LENS · SD HC · 10.1 Megapixels · 4x Optical Zoom · 2.7" LCD

FS6



-S (Silver) -K (Black) -A (Blue) -P (Pink)

iA · MEGA O.I.S. · Venus Engine IV · LEICA DC LENS · SD HC · 8.1 Megapixels · 4x Optical Zoom · 2.5" LCD

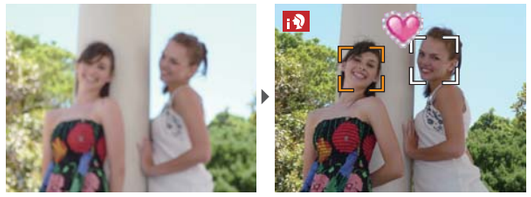
NEW
FS6

Cute and colorful

Cameras that are easy to carry, easy to use, and easy to enjoy.

Choose the focus indicator you like most

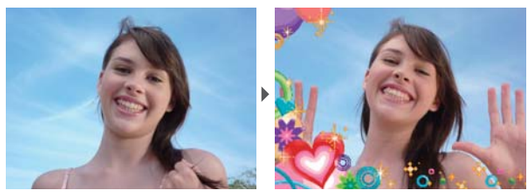
In addition to the ordinary " ● " mark that indicates when the shot is in focus, you can choose a heart, flower or three other designs.



Put borders around your photos, without a PC

In Photo Frame mode, you can compose your shot while displaying one of the frames registered in the camera. This is a quick, easy way to produce photos with attractive borders.*

*The picture size is automatically resized to 2M (or below).



- **Up to 360 (FS7) / 400 (FS6) shots* on a single battery charge**

*Based on CIPA standards

A simple, stylish camera that selects the most suitable Scene mode for the situations

FS4

-S (Silver) -K (Black)

Intelligent Scene Selector · Intelligent ISO · Face Detection · Venus Engine IV · SD HC · 8.1 Megapixels · 4x Optical Zoom · 2.5" LCD

See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

NEW
LS85

Even beginners can take beautiful shots with ease.
Plus convenient AA battery operation.

Intelligent Scene Selector

Just press the iA button, aim and shoot. The camera does all the rest, automatically adjusting to the shooting conditions and helping to correct blurring, focus, and brightness problems. The results are beautiful.

MEGA O.I.S.

2.5-inch Intelligent LCD adjusts its brightness as the lighting changes

The brightness of the LS85's high-resolution, 230,000-dot, 2.5-inch LCD automatically adjusts in 11 steps to match the brightness of your surroundings. This makes it easy for you to see the LCD when you're outdoors on a sunny day and improves viewing comfort at night or in a dark room.

Records motion images and sound

The LS85 also lets you record motion images complete with sound. The motion images are recorded in the WGA (848 x 480) format with a 16:9 aspect ratio to fit a wide-screen TV.

LS85 -S (Silver)

8.1 Megapixels | 4x Optical Zoom | 2.5" LCD

See pages 26 to 33 for more detailed information about the functions.

FZ28

Wide-angle and zoom shots
at your fingertips

Bright F2.8, 27mm wide-angle LEICA DC VARIO-ELMARIT lens with a powerful 18x optical zoom

This compact camera features an excellent lens system with a 27mm-to-486mm (35mm equivalent) optical 18x zoom. For macro shots, the wide-angle setting lets you shoot all the way down to 1 cm (0.03 ft) from your subject, and the telephoto setting can be used up to 1 m (3.28 ft) from your subject.

iA mode helps prevent shooting mistakes in a variety of situations

The camera automatically activates MEGA O.I.S., Face Detection, Intelligent Exposure, Intelligent Scene Selector, Auto Backlight Compensation and other functions. If AF Tracking is selected in AF mode, the camera keeps your subject in focus even if it moves, providing sharp, clear photos.

MEGA O.I.S.

Hi-Speed Burst mode with minimal smearing

You can continuously snap off pictures at a rate of up to 13* frames per second. The mechanical shutter helps prevent the smearing effect that is often generated in cameras with an electronic shutter and offers beautiful continuous images. * Speed Priority mode in 2M (16:9).

FZ28 -K (Black) -S (Silver)

10.1 Megapixels | 18x Optical Zoom | 2.7" LCD

See pages 26 to 33 for more detailed information about the functions.

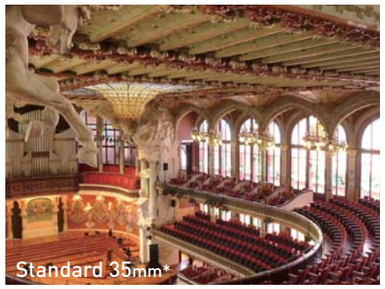
* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

FX180

Smart, stylish shooting

MADE IN JAPAN

14.7-megapixel CCD and 28mm wide-angle LEICA DC VARIO-ELMARIT lens



The FX180 features a 1/1.72" CCD with an impressive 14.7-megapixel resolution, and combines it with a bright F2.8 LEICA DC VARIO-ELMARIT lens with 7 lens elements in 6 groups including an EA lens.

This lens offers high resolution and smooth gradation across the entire focal range, from 28mm wide-angle to 100mm telephoto, to depict subjects with exceptional detail and dynamic realism.

Simple manual exposure control

Use the cursor button to change the shutter speed and aperture manually. This makes manual operation fast and easy.

iA mode helps prevent shooting mistakes in a variety of situations

Just select iA mode, and let the camera do the rest. All you have to do is aim the camera and shoot. The camera automatically helps correct for blurring, out-of-focus shots and brightness.

AF Tracking

FX180

-S (Silver) -K (Black) -N (Gold)

iA | 28mm WIDE | LEICA DC LENS | HD MOVIE | 14.7 Megapixels | 3.6x Optical Zoom | 2.7" LCD

See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

LX3

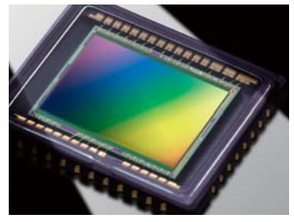
A pleasure to own, a joy to use

MADE IN JAPAN

Large aperture F2.0, 24mm wide-angle LEICA DC VARIO-SUMMICRON lens

Featuring 8 lens elements in 6 groups including 4 aspherical lenses, the LEICA DC VARIO-SUMMICRON lens offers a large aperture of F2.0 and 24 mm wide angle that is very helpful when shooting at higher shutter speeds in low-lit situations or for giving backgrounds a gentle soft-focus. And it provides a focal length of 24mm to 60 mm (35mm equivalent). From expansive wide-angle shooting to telephoto shots, the crystal-clear rendering and rich gradation of this lens express extremely fine details and nuances.

Large, high-sensitivity CCD for unprecedented image quality



The newly developed 1/1.63" CCD helps capture beautiful images with outstanding dynamic range and minimal noise. By optimizing the use of space within individual photocells to allow larger photodiodes, and by purposely keeping pixel resolution at 10.1 megapixels to allow more light to enter each photocell, the CCD has exceptional sensitivity and saturation performance. Combined with re-engineered circuitry around the sensor for more stable signal outputs, the LX3 can faithfully reproduce colors even in high contrast or low-lit situations.

Options to broaden your creative possibilities

External Flash DMW-FL220
Wide Conversion Lens DMW-LW46*
External Viewfinder DMW-VF1
Leather Case DMW-CLX3
Lens Adapter DMW-LA4
PL Filter DMW-LPL46*
ND Filter DMW-LND46*
MC Protector DMW-LMC46*
*Requires DMW-LA4 Lens Adapter.

- 24mm wide-angle lens with multiple aspect ratios
- Film mode to give photos special expression
- Selectable focusing areas
- Large, 3.0-inch, Intelligent LCD with 460,000-dot resolution
- Manual operation with joystick
- Macro shooting capability as close as 1 cm (0.03 ft)
- Versatile flash functions for 1st-curtain synchro, 2nd-curtain synchro, and consecutive shooting

LX3

-K (Black) -S (Silver)

iA | 24mm WIDE | LEICA DC LENS | HD MOVIE | 10.1 Megapixels | 2.5x Optical Zoom | 3.0" LCD

See pages 26 to 33 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

An Ultra-Compact
Digital Interchangeable Lens System Camera

G1

MADE IN JAPAN

-K (Black) -R (Red) -A (Blue)

LUMIX G lenses: Convenient portability, superb rendering

LUMIX G VARIO 14-45mm/
F3.5 - 5.6 ASPH./MEGA O.I.S.

LUMIX G VARIO 45-200mm/
F4.0 - 5.6/MEGA O.I.S.

- Micro Four Thirds: The open standard that led to the mirror-less body
- Full-time Live View shows you before you shoot how the settings change the photo
- Live View Finder – an electronic viewfinder complete with Full-time Live View
- iA mode automatically selects the most appropriate settings
- Contrast AF helps make Full-time Live View even more effective
- My Color mode puts you in control of the color
- Four Thirds adaptability – Multiplying photographic possibilities
- 12.1-megapixel Live MOS sensor: Higher image quality, lower power consumption
- Dust reduction system protects the image sensor
- 1920 x 1080-pixel HD (high-definition) photo recording
- HD output-ready for the HDTV age

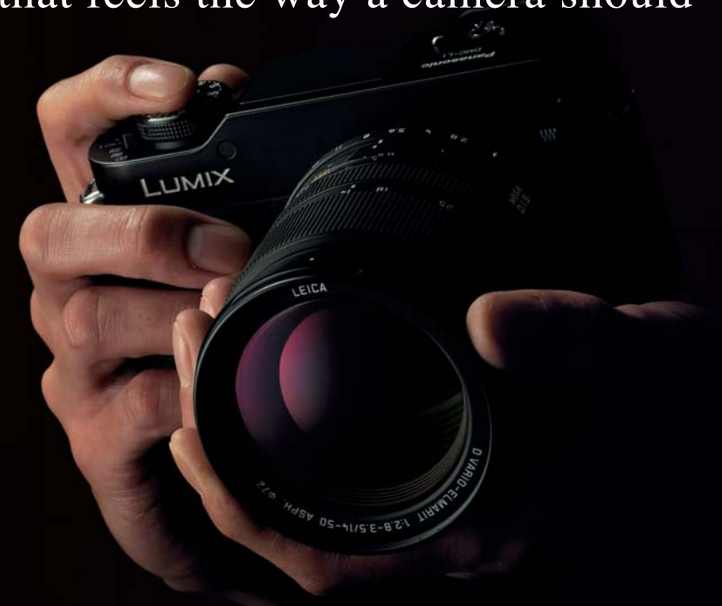
LUMIX G MICRO SYSTEM

Change the way you see the world

L10

- Dramatic change in shooting style – Free-angle 2.5" LCD for Full-time Live View
- A dual AF system, with TTL phase difference AF and contrast AF
- LEICA D VARIO-ELMAR 14-50mm/F3.8-5.6 ASPH./MEGA O.I.S. lens
- Advanced Scene modes give you even more control

A D-SLR that feels the way a camera should



L1

- LEICA D VARIO-ELMARIT 14-50 mm/F2.8-3.5 ASPH./MEGA O.I.S. lens
- An aperture ring on the lens barrel responds intuitively to your intent
- A shutter speed dial on the camera body with a familiar feel
- Full-time Live View allows you to shoot in new ways

- Four Thirds, Four Thirds Logo mark, Micro Four Thirds and Micro Four Thirds Logo mark are trademarks or registered trademarks of Olympus Imaging Corporation.
- For detailed information on the LUMIX G Micro System and digital SLR series, please see **http://panasonic.net/lumix/**

LUMIX FUNCTIONS 1

Innovative LUMIX Technologies

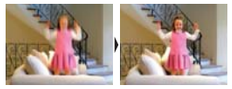
Intelligent Auto Mode (Photo)

Press a button or turn a dial to select iA mode, and your LUMIX camera automatically activates a host of advanced functions and technologies – described below – that make it easy to capture beautiful, clear shots.

MEGA O.I.S. (Optical Image Stabilizer)

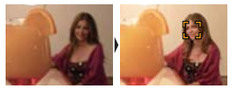
Built-in gyrosensors detect even slight camera movement caused by hand-shake. The system then compensates for the shake so you get clear, sharp photos.

Intelligent ISO Control



This system detects if the subject is moving as you shoot, and automatically adjusts the ISO setting and shutter speed accordingly to help prevent motion blur.

Face Detection AF/AE



This function determines if there are any faces in the photo and adjusts the focus and exposure to capture them correctly. When you take shots with the flash, digital processing minimizes the red-eye effect.* *Except FS4 and LS85.

Face Recognition

Face Recognition "remembers" faces that have been registered in the camera from previous shots, and optimizes the focus and exposure to capture them perfectly. This clever function makes it easy to get beautiful photos of loved ones in a group of people. *Turn Face Recognition item ON and resister the person with full-face portrait on the shooting menu in advance. Refer to back page for detail.

Intelligent Scene Selector

This function automatically sets the camera to whichever of five scene modes – Portrait, Night Portrait, Scenery, Night Scenery or Macro – is best for the situation.

Intelligent Exposure

The camera corrects the brightness in parts of the image that are too dark due to insufficient lighting, backlighting or use of the flash.

AF Tracking

Once you focus on your subject, AF Tracking automatically and continuously tracks it and keeps it in focus.

Focusing Functions

A Choice of Auto Focus Modes

Choose the auto focus mode that best suits the situation. In addition to Face Detection AF and AF Tracking, you can choose from 1-area, 1-area high-speed, Spot, and Multi. *The AF area setting menu varies by model. For details, please see the specifications on pages 34 to 38.

Selectable AF Area

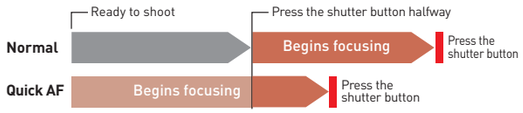
While using 1-area, 1-area high-speed, Spot, or Multi-area AF mode, you can specify the area out of 11 AF areas. You can thereby enjoy free framing even with the subject not at the center. Some models let you set the AF area to any location within the frame.

AF Assist Lamp

For use in dim lighting, this lamp slightly illuminates the subject to help the AF system focus correctly.

Quick AF

When the camera detects that you have assumed a shooting stance, it automatically begins focusing. This system gets you ready to catch critical shots faster than systems that don't begin focusing until you press the shutter button halfway. *The focus speed may be slower in dark surroundings.



Continuous AF

The camera is always focusing, which reduces AF delays.

Manual Focus

You can manually focus with the joystick. And you can also use the assist function, which enlarges the center of the image to make focusing easier. The focusing area can be enlarged up to 4x and is movable.

Comparison Chart

Innovative LUMIX Technologies	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Intelligent Auto Mode (Photo)	●	●	●	●	●	●	●	●	●	-	●	●	●	●
MEGA O.I.S. (Optical Image Stabilizer)	●	●	●	●	●	●	●	●	●	-	●	●	●	●
Intelligent ISO Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Face Detection AF/AE	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Face Recognition	●	-	●	●	●	-	-	-	-	-	-	-	-	-
Intelligent Scene Selector	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Intelligent Exposure	●	●	●	●	●	●	●	-	-	-	-	●	●	●
AF Tracking	●	●	●	●	●	●	●	-	-	-	-	●	●	●

Focusing Functions	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
A Choice of Auto Focus Modes	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Selectable AF Area	-	-	-	-	-	-	-	-	-	-	-	●	●	●
AF Assist Lamp	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Quick AF	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Continuous AF	●	●	●	-	-	-	-	-	-	-	-	●	-	●
Manual Focus	-	-	-	-	-	-	-	-	-	-	-	●	-	●

Basic Functions

Light Metering

The light can be measured in three ways as a guideline for exposure: Intelligent Multiple, Center Weighted, or Spot. Simply switch the metering method to match the shooting scene or your shooting intent. *Some models offer Intelligent Multiple metering only.

White Balance Settings

Choose from six preset white balance settings: Auto, Daylight, Cloudy, Shade, Flash, Halogen, and White Set. This is handy when there are several different light sources and it's difficult to get the exact coloration you want.
*White balance setting menu varies by model. For details, please see the specifications on pages 34 to 38.

White Balance Adjustment

When it's difficult to get the exact coloring you want, you can add bluish or reddish tones in +/-10 steps of 150 kelvins each*. Some models let you make adjustments on both the red/blue axis and the magenta/green axis in +/- 9 steps.
*In Auto mode the white balance is determined automatically and cannot be adjusted.

ISO Sensitivity Settings

You can choose the light-receiving sensitivity from Auto, I.ISO, 80, 100, 200, 400, 800, 1600, or 3200*. *ISO setting menu varies by model. For details, please see the specifications on pages 34 to 38.

ISO Limit Set

When using ISO Auto mode, you can preset exactly the upper ISO limit that you want. This lets you shoot within the sensitivity range that you have set, to reflect your intentions in particular shooting situations.

Auto Bracketing

This shoots three shots at slightly graduated exposures (+/- 1/3 - 1 EV step). Pick the best of the three to keep.

Advanced Shooting Functions

Wide-Angle Shooting

A wide-angle lens captures a wider photo area than a standard 35mm lens. This is a big advantage when you're trying to capture the grandeur of a sweeping landscape or massive building, or when you're in a small room trying to take a group photo.

Extra Optical Zoom

This function provides additional magnification, extending the zoom power by using the center part of the CCD. When compared with conventional digital zoom functions that directly enlarge the image data, it provides better image quality.

Easy Zoom Button

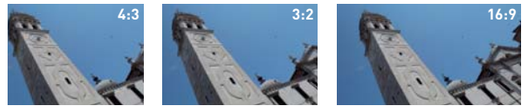
Press this button once and the zoom lens instantly extends to full telescopic. Press it twice and the Extra Optical Zoom also activates and extends to full telescopic. With this quick zooming, you're ready in an instant when a great opportunity arises.

Flash Synchro

You can use the flash function with 1st curtain and 2nd curtain synchro settings to add an effective nuance according to the scene. The 2nd curtain synchro activates the flash just before the shutter closes, making it appear that the light source is actually behind the subject.

Select Among 3 Aspect Ratios

In addition to the conventional 4:3 image format, you can select the 16:9 or 3:2 format to suit the shot you're composing. 16:9 images are perfect for viewing on a wide-screen TV.
*When using a plasma display to show 16:9 images recorded on an SD Memory Card, the images may not fill the entire screen.



Multi Aspect Mode

The camera takes pictures in each of the three aspect ratios (4:3, 3:2, 16:9) in one go. And you can reproduce images shot with the lens set from wide end to tele end in any of three aspect ratios.

MEGA BURST Consecutive Shooting

The camera lets you snap off consecutive shots at up to 3 frames per second* with full resolution. *The maximum number of frames varies with different models and settings.

Unlimited Consecutive Shooting

The Unlimited Consecutive Shooting function lets you keep on shooting until the memory card is full. You can take a series of shots, then choose the one you like best and delete the rest. *The consecutive shooting speed varies depending on the model, shooting conditions and memory card.

Multiple Exposure

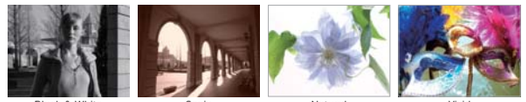
You can take up to three exposures in a single frame. You can also apply automatic gain compensation according to your requirements.

Film Mode

Much like changing the film type in a film camera, you can enjoy a wide range of expression based on six color modes and three monochromatic modes.

Color Mode / Color Effect Mode

Choose from five or seven preset Color Mode settings: Cool, Warm, Black & White, Sepia, Natural*, Standard*, and Vivid*. In some models, the bracketing function can provide three types of image. *Not offered on all models.



Black & White | Sepia | Natural | Vivid

Picture Adjustment

Choose from four picture adjustment settings: Contrast, Sharpness, Saturation and Noise Reduction. Each setting can be individually set to Low, Standard or High.

RAW Format Compatiblility

You can record original image data directly from the CCD without any image processing. Using SILKYPIX® Developer Studio software utility, you can develop RAW data to create an image with the effect you wanted when you took the shot.
*The "PHOTOfunSTUDIO -viewer-" and ArcSoft® "MediaImpression™" software utilities included in the CD-ROM are designed just to convert RAW files into JPEG images.

Basic Functions	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Light Metering	●	●	(Intelligent Multiple only)	(Intelligent Multiple only)	●	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	●	●	●
White Balance Settings	●	●	●	●	●	●	●	●	●	●	●	●	●	●
White Balance Adjustment	●	●	●	●	● (2-axis)	-	-	-	-	-	-	● (2-axis)	● (2-axis)	● (2-axis)
ISO Sensitivity Settings	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ISO Limit Set	-	-	-	-	●	-	-	-	-	-	-	●	●	●
Auto Bracketing	●	●	●	●	●	●	●	●	●	-	-	●	●	●

Advanced Shooting Functions	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Wide-Angle Shooting	25mm	25mm	28mm	25mm	25mm	29mm	29mm	33mm	33mm	33mm	33mm	27mm	28mm	24mm
Extra Optical Zoom (Maximum*)	21.4x	21.4x	9.0x	9.8x	9.8x	9.8x	9.8x	7.1x	6.4x	6.4x	6.4x	32.1x	7.7x	4.5x
Easy Zoom Button	-	-	-	-	●	-	-	-	-	-	-	-	●	-
Flash Synchro	-	-	-	-	-	-	-	-	-	-	-	●	-	●
Select Among 3 Aspect Ratios	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Multi Aspect Mode	●	-	-	-	-	-	-	-	-	-	-	-	-	●
MEGA BURST Consecutive Shooting	2.3 fps	2.5 fps	2.3 fps	2.3 fps	2.3 fps	1.8 fps	1.8 fps	2.3 fps	3 fps	3 fps	3 fps	2.5 fps	2 fps	2.5 fps
Unlimited Consecutive Shooting	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Multiple Exposure	-	-	-	-	-	-	-	-	-	-	-	●	●	●
Film Mode	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Color Mode / Color Effect Mode	●	●	●	●	● (Bracketing)	●	●	●	●	●	●	● (Bracketing)	● (Bracketing)	-
Picture Adjustment	-	-	-	-	●	-	-	-	-	-	-	●	●	●
RAW Format Compatiblility	-	-	-	-	-	-	-	-	-	-	-	●	●	●

*When recording at 3M resolution or less.

LUMIX FUNCTIONS 2

LCD Functions

Intelligent LCD
In a brightly lit place, such as outdoors under the sun, the Auto Power LCD function increases the brightness level of the backlight by about 40% maximum in several steps. When shooting in a dark place, such as at night, the frame rate is adjusted based on the pixel mixed readout method to brighten the screen in two to three steps.

Wide-Viewing-Angle LCD
The LCD offers a wide viewing angle from any direction, making it easy to confirm images, even when looking at the screen diagonally.

High Angle Mode
Makes it easier to see the monitor while holding the camera high to shoot over a crowd.

Real-Time Histogram
This graph, which can be displayed in the LCD as you compose the shot, shows the status of the exposure and contrast in real-time.

Highlight Display
A flashing indicator on the LCD shows any parts of the image that have been overexposed.

Composition Guidelines
You can use composition guidelines from two patterns* according to the shooting subject. And guidelines can be shown at the same time as other information and icons.
*Not offered on all models.

Easy-to-See Menu Display
The layout of the settings in the menu display is extremely simple, making it easy to see and switch the settings.

Playback Functions

Multi Display
After shooting, enjoy viewing your photos on your LUMIX camera's LCD. View them as a slide show; display 1, 12 or 30 images at a time; or use Calendar View to see thumbnails of all the shots taken on a particular date.

Slideshow
You can watch an ordinary slide show that displays every image, or you can use Favorite Image Slideshow and specify which images to play. You can also select background music to make your slideshow even more entertaining.

Category Playback
This function sorts photos into several categories - Portrait, Scenery, Event, and others – and lets you play back the images or view slideshows of the shots in a particular category.

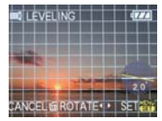
Personal Category Playback
Using Face Recognition technology, the camera can find photos of people you specify, and arrange a slideshow of just those photos. This is a big help, for example, when you've taken a number of photos of someone and you want to choose the best one.

Mode Playback
With this function, the camera will automatically organize all of the still and motion images that are mixed together in memory. This makes it possible to view still images, AVCHD Lite motion images and Motion JPEG images separately.

Dual-Image Playback
The dual-image playback display feature makes it easier to compare two images in detail to see the differences in focus accuracy and contrast.

9 Still Images Cut Out from a Motion Image
Motion images can be converted into a series of nine or just one snapshot. This is effective in moving scenes when you want to look carefully at the movement of a sportsperson, etc.

Image Leveling
Pictures that lean to the right or left can be corrected horizontally or vertically.



Convenient Functions

Quick Menu
You can instantly access a variety of the settings needed most often. These include white balance, ISO sensitivity, image size, compression format, auto focus mode, light metering and so on.

World Time Setting
After you select one of 74 locations on the map, the camera automatically calculates and displays the local time.

Travel Date Setting
Input the time and date of your departure before you leave home, then use the camera to capture all the best moments of your trip. When you view the photos later, the camera will display them according to the day of the trip each photo was taken.

Title Edit
Using the cursor button on the camera, you can edit titles onto your images – people's names, places, events or other information.

Text Stamp
When traveling, you can stamp the day of the trip on the photos you take. Or, if you have a baby, you can stamp his or her age in months and name on your photos. The stamped information appears on photos.
*When the date is stamped on a photo, the photo is automatically resized to 3M (4:3)/2.5M (3:2)/2M (16:9), or the original size is maintained for photos smaller than 3M. However, you can choose either to save or overwrite the original picture.

Flip Animation
Using up to 100 of your photos, you can create a "flip animation" clip up to 20 seconds long.

Audio Recording
Add 5 seconds of sound to pictures as you shoot. Or, if you prefer, add up to 10 seconds of sound after shooting.

HD Output
Using an optional HDMI mini cable or component cable you can connect your LUMIX camera to an HDTV, and view your HD photos and HD movies (1080i) in stunning high-definition quality.

VIERA Link
Connect your LUMIX camera to a Panasonic VIERA TV with an HDMI mini cable (purchased separately), and it's easy to view your photos and motion images on the big screen. Just use the TV remote to select or play the images. You enjoy stunning HD images and sounds, with quick, easy connection and effortless operation.

Focus Icon
Instead of the ordinary "●" mark on the LCD that indicates when your subject is in focus, you can choose a heart, flower or three other symbols.

Comparison Chart

LCD Functions	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Intelligent LCD	●	●	●	●	●	●	●	●	●	-	●	●	●	●
Wide-Viewing-Angle LCD	●	-	●	●	●	-	-	-	-	-	-	-	●	●
High Angle Mode	-	●	-	-	-	●	●	●	●	-	●	●	-	-
Real-Time Histogram	●	●	●	●	●	-	-	-	-	-	-	●	●	●
Highlight Display	-	-	-	-	●	-	-	-	-	-	-	●	●	●
Composition Guidelines	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Easy-to-See Menu Display	●	●	●	●	●	●	●	●	●	●	●	-	-	-

Playback Functions	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Multi Display	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Slideshow	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Category Playback	●	●	●	●	●	●	●	●	●	-	-	●	●	●
Personal Category Playback	●	-	●	●	●	-	-	-	-	-	-	-	-	-
Mode Playback	●	-	●	-	-	-	-	-	-	-	-	-	-	-
Dual-Image Playback	-	-	-	-	●	●	-	-	-	-	-	-	-	●
9 Still Images Cutout from a Motion Image	-	-	-	-	-	-	-	-	-	-	-	●	●	●
Image Leveling	●	●	●	●	●	-	-	-	-	-	-	●	●	●

Convenient Functions	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Quick Menu	●	●	●	●	●	●	●	●	●	●	●	●	●	●
World Time Setting	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Travel Date Setting	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Title Edit	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Text Stamp	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Flip Animation	-	-	-	-	-	-	-	-	-	-	-	●	-	-
Audio Recording	●	●	●	●	●	-	-	-	-	-	-	●	●	●
HD Output	● (HDMI)	-	● (HDMI)	● (Component)	● (Component)	-	-	-	-	-	-	● (Component)	● (Component)	● (Component)
VIERA Link	●	-	●	-	-	-	-	-	-	-	-	-	-	-
Focus Icon	●	●	●	●	●	●	●	●	●	-	-	-	-	-

LUMIX FUNCTIONS 3

Movie Functions

Intelligent Auto Mode (Movie)
Select iA mode, and your LUMIX camera automatically activates a host of advanced functions and technologies – described below – that make it easy to capture beautiful, clear motion images.

MEGA O.I.S. (Optical Image Stabilizer)
This function fights blurring due to shaky hands as you shoot. You get crisp, sharp shots, even at high zoom levels.

Face Detection AF/AE
This function detects when there are faces in the frame, and automatically adjusts the exposure, contrast, skin complexion effect, and focus so they turn out perfectly. It can find up to 15 faces in a frame.

Intelligent Scene Selector
This function senses the shooting conditions and selects the scene setting (Portrait, Scenery, Low Light, or Macro) that will provide the best results.

Intelligent Exposure
This function continually checks the ambient light level and adjusts the exposure setting as conditions change, preventing blown highlights and blocked shadows.

HD Movie
You can shoot high-quality HD motion images in the progressive format, which minimizes flicker. The 1280 x 720-pixel images provide spectacular viewing on a large-screen HDTV. If you're using a LUMIX model that features the AVCHD Lite (MPEG-4/H.264), you can record for a longer time without running out of memory because AVCHD Lite stores less data than the conventional Motion JPEG.

Movie Button
Press this button and the camera starts recording right away, regardless of whether it's in Rec or Play mode. You're ready to shoot quickly when there's a sudden shooting opportunity.

Zoom-in Movie
You can zoom in and out while shooting motion images, just like with stills.

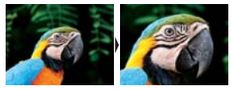
Movie Scene Modes
17 different scene modes including sports, portrait, low light, surf and snow modes make it easy to get great motion images in specific situations.

Wind Cut
A digital circuit detects the wind direction and velocity and adjusts the directivity of the microphones accordingly. This dramatically reduces both wind noise and sound degradation in the low frequency range.

Stereo Microphone
The LUMIX cameras are the first* in the industry to feature Dolby® Digital Creator sound. In addition to recording voices clearly, this high-quality system captures audio that conveys the atmosphere of the shooting location. * As of January 27, 2009.

Optional Functions

Tele Conversion Lens
Increases your total zoom power. Gives you the power to bring even more distant objects into range.



Wide Conversion Lens
Increases the field of view at lower zoom settings, so you can shoot a wider area.

Close-up Lens
This lens is excellent for impressive macro photography. The distance to the subject is reduced to between 40 and 50 cm (1.31 to 1.64 ft) in telephoto shots. Better depth of field and enlargement.

MC Protector
Protects the camera lens from scratches and other damage.

ND (Neutral Density) Filter
Reduces light intensity by 3 aperture stops and allows slower shutter speeds.

PL (Polarizing) Filter
Helps eliminate reflections while preserving the naturally vivid colors of the subject.

External TTL Flash
Provides perfect lighting for shots of subjects farther away in the dark.

External Viewfinder
This compact optical viewfinder attaches to the hot shoe. It comes with a 24mm frame (35mm camera equivalent).

Marine Case
Explore the exciting world of underwater photography. You can also use this waterproof case for worry-free shooting in wet weather, at the beach, or on the ski slopes.

Component Cable
This cable lets you connect your LUMIX camera directly to an HDTV, so you can view your HD photos and HD movies (1080i) with the incredible resolution, detail and vibrancy today's HDTVs provide.

HDMI Mini Cable
This cable lets you send your still photos and motion images (and the accompanying soundtrack) from the camera directly to an HDTV, with virtually no degradation.

Included Software

PHOTOfunSTUDIO
This clever software sorts photos into practical folders that are created automatically as you upload the photos from the camera to a PC. The folders and their icons are linked with your LUMIX by the Rec mode or Scene mode names. The software* also lets you use your PC to view AVCHD Lite movies that you record with LUMIX. * Version 3.0 HD Edition only.

SILKYPIX® Developer Studio
This application lets you produce high-resolution images from RAW data recorded with your camera. In addition to adjusting the exposure and white balance, it lets you perform advanced color conversions, correct lens aberrations, and eliminate noise in dark areas of the image.

ArcSoft® Panorama Maker™
Use this to stitch together photos that you took in Panorama Assist mode. You can easily create incredible, natural-looking panorama photos.

Rec. Mode (Mode Dial / Mode Button)

Intelligent Auto Mode
This mode not only helps eliminate blurring from hand-shake or subject movement, it also helps you capture perfect portraits by detecting the face and selecting the focus, exposure and Scene mode that get the best results. And it's all automatic.

Normal Picture (Program AE) Mode
The camera automatically determines the subject's brightness and sets the aperture and shutter speed accordingly. You can adjust the white balance, ISO sensitivity and other settings*. *These settings can be adjusted in all modes except Motion Picture mode.

Macro (Close-up) Mode
Use this mode to take incredible close-ups. You can focus on subjects within about 5 cm (0.16 ft) of the lens*. *3 cm (0.098 ft) for the TZ7 and TZ6 / 1 cm (0.03 ft) for the FZ28 and LX3; when shooting with the lens in the wide-angle setting.

Tele Macro
Set the zoom to maximum telephoto and you can take shots at a mere 1 m (3.28 ft) from the subject, with the background in soft focus.

Macro Zoom
Using the digital zoom function, you can pull subjects even closer than the closest point possible with the wide-angle setting, and capture dramatic close-ups.

Program AE Mode
The camera makes the optimal aperture and shutter speed settings for you.

Aperture Priority AE Mode
Set the aperture to between F2.8 and F8.0* to obtain the desired depth of field.
*This range varies by model. For details, please see the specifications on pages 34 to 38.

Shutter Priority AE Mode
Set the shutter speed between 1/2000 and 60 seconds to freeze or emphasize movements.

Manual Exposure Mode
You have full control over both the shutter speed and aperture.

Motion Picture Mode
You can shoot smooth motion images at 30 fps, complete with sound, in WVGA (848 x 480) or VGA size (640 x 480). Some models can also record motion images in high definition (720p). When viewing the results, you will be suitably impressed by displaying 16:9 motion images on a large-screen HDTV.

C1/C2 Custom Mode
You can store in memory up to three sets of frequently used settings, such as the Scene mode, white balance and AF and photometry modes. Later, you can instantly recall those settings by selecting Custom mode.

Clipboard Mode
You can take photos of maps, timetables and other travel info. They are saved in a separate folder of the built-in memory to distinguish them from normal photos.

Advanced SCN Modes
In Scenery, Portrait, Sports, Night Portrait and Close-up modes, you can select additional, more detailed settings, such as Normal, Indoor, Outdoor, and Creative.

Portrait	Normal, Soft Skin, Outdoor, Indoor, Creative
Scenery	Normal, Nature, Architecture, Creative
Sports	Normal, Outdoor, Indoor, Creative
Night Portrait	Night Portrait, Night Scenery, Illuminations, Creative
Close-up	Flower, Objects, Food, Creative

MS My SCN Mode
You can register the Scene modes you use most often, and then select them instantly when you need them.

SCN SCN Modes
Select one or two of the modes on the following page to suit the shooting situation. You can also access a help screen that explains what each mode is for.

Comparison Chart

Movie Functions	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Intelligent Auto Mode (Movie)	●	-	●	-	-	-	-	-	-	-	-	-	-	-
HD Movie	● (AVCHD Lite)	-	● (AVCHD Lite)	●	●	-	-	-	-	-	-	●	●	●
Movie Button	●	-	●	-	-	-	-	-	-	-	-	-	-	-
Zoom-in Movie	●	●	●	-	-	-	-	-	-	-	-	●	-	-
Movie Scene Modes	●	-	●	-	-	-	-	-	-	-	-	-	-	-
Wind Cut	●	-	●	-	-	-	-	-	-	-	-	-	-	-
Stereo Microphone	●	-	-	-	-	-	-	-	-	-	-	-	-	-

Optional Accessories	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Tele Conversion Lens	-	-	-	-	-	-	-	-	-	-	-	●	-	-
Wide Conversion Lens	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Close-up Lens	-	-	-	-	-	-	-	-	-	-	-	●	-	-
MC Protector	-	-	-	-	-	-	-	-	-	-	-	●	-	●
ND (Neutral Density) Filter	-	-	-	-	-	-	-	-	-	-	-	●	-	●
PL (Polarizing) Filter	-	-	-	-	-	-	-	-	-	-	-	●	-	●
External TTL Flash	-	-	-	-	-	-	-	-	-	-	-	-	-	●
External Viewfinder	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Marine Case	●	●	●	●	-	-	-	-	-	-	-	-	-	-
Component Cable	-	-	-	●	●	-	-	-	-	-	-	●	●	●
HDMI Mini Cable	●	-	●	-	-	-	-	-	-	-	-	-	-	-

Included Software	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
PHOTOfunSTUDIO (Version)	3.0 HD Edition	3.0	3.0 HD Edition	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.1E	2.1E	2.1E
SILKYPIX® Developer Studio	-	-	-	-	-	-	-	-	-	-	-	●	●	●
ArcSoft® Panorama Maker™	●	●	●	●	●	●	●	●	●	●	-	●	●	●

Rec. Mode (Mode Dial / Mode Button)	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Intelligent Auto Mode	●	●	●	●	●	●	●	●	●	-	●	●	●	●
Normal Picture (Program AE) Mode	●	●	●	●	-	●	●	●	●	●	●	-	-	-
Macro (Close-up) Mode	● (Tele Macro) (Macro Zoom)	● (Tele Macro) (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	●	●	-* (Tele Macro)	●	●
Program AE Mode	-	-	-	-	●	-	-	-	-	-	-	●	●	●
Aperture Priority AE Mode	-	-	-	-	●	-	-	-	-	-	-	●	-	●
Shutter Priority AE Mode	-	-	-	-	●	-	-	-	-	-	-	●	-	●
Manual Exposure Mode	-	-	-	-	●	-	-	-	-	-	-	●	● (Simple)	●
Motion Picture Mode	Movie Button	●	Movie Button	●	●	●	●	●	●	●	●	●	●	●
C1/C2 Custom Mode	-	-	-	-	-	-	-	-	-	-	-	●	-	●
Clipboard Mode	●	●	●	●	-	-	-	-	-	-	-	-	-	-
Advanced SCN Mode	-	-	-	-	-	-	-	-	-	-	-	●	-	-
MS My SCN Mode	●	●	-	-	●	●	●	●	●	-	-	-	-	-
SCN SCN Modes	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*Included in the detailed settings of the Advanced SCN modes.

LUMIX FUNCTIONS 4

SCN (Scene) Modes

Portrait Mode
Adjusts the exposure and coloration so that skin tones look true and natural.

Soft Skin Mode
Softens the tone in skin-color areas, making minor blemishes and wrinkles less noticeable.

Scenery Mode
Provides quick focusing and crisp detail - especially good for shooting landscapes or scenery.

Sports Mode
Uses a higher shutter speed, making it possible to catch clear, sharp, dynamic action shots.

Panning Mode
Conveys a sense of motion by capturing a moving subject in crisp focus and blurring the background.

Night Portrait Mode
For portraits against nighttime scenery, using a flash. Hold the camera firmly and the subject should keep still for at least 1 second.

Night Scenery Mode
For taking a picture with night scenery. Shutter will be set to max. 8 sec. Be sure to use a tripod.

Self-Portrait Mode
Aim the camera at yourself, wait for the LED to light up (indicating that you're in focus), and take the shot.

Food Mode
Good for taking shots of special meals, this mode assures that colors are fresh, vivid and natural in all kinds of lighting.

Party Mode
For indoor shots. Colors come out more naturally with artificial light.

Candle Light Mode
Lets you capture the naturally warm color of scenes lit by candles.

Fireworks Mode
Uses a slower shutter speed to capture the glittering beauty of fireworks.

Starry Sky Mode
For shots of the night sky or other nighttime scenes with exposures of up to 60 seconds.

Beach Mode
Avoids underexposure of the subject in strong sunlight.

Aerial Photo Mode
For shooting through an airplane window.

Snow Mode
Exposure and white balance are set to reproduce snow in its true whiteness.

High Sensitivity Mode
Raises the ISO sensitivity, which lets you shoot at a higher shutter speed to prevent blurred shots of moving subjects. *3M (4:3), 2.5M (3:2) or 2M (16:9) is selected as the picture size; Note that resolution is significantly lower at this setting.

Baby Mode (1 and 2)
Skin tones are slightly softened to enhance beauty. Input the date of your baby's birthday, and keep a running photographic record as he or she grows up. You can also input your baby's name. You can set two birth dates to track two different children.

Underwater Mode
Intended especially for underwater use with the optional Marine Case, this mode gives photos natural coloring even when the subject is lit by only a small amount of light.

Sunset Mode
Emphasizing red tones, this mode is designed to capture clear, vivid shots of colorful sunsets.

Pet Mode
Because pets often won't hold still, this mode switches the camera to Intelligent ISO Control, which helps prevent motion blur. If you input your pet's date of birth, its age in months (at the time a photo was taken) is displayed when you view photos. You can also input the pet's name or other.

Hi-Speed Burst Mode
You can capture a crucial moment with perfect timing.
*3M (4:3), 2.5M (3:2) or 2M (16:9) is selected as the picture size.

Flash Burst Mode
You can take consecutive flash shots without having to wait for the flash to recharge. *3M (4:3), 2.5M (3:2) or 2M (16:9) is selected as the picture size.

Pin Hole Mode
The light intensity at the periphery of the shot image is reduced to make the picture look as if it was shot with a pinhole camera.

Film Grain Mode
This mode converts the image to a monochromatic picture and then enhances the contrast to create a film grain effect.

Transform Mode
You can expand or contract the image in the horizontal direction to create a different, fun photo. Expansion/contraction can be set in 5 steps.

Slimming | Normal | Stretching

Panorama Assist Mode
This mode helps you take a series of images for use in a panorama photo, checking to ensure that adjacent shots have sufficient overlap. *You can use ArcSoft® Panorama Maker™ software (included with the camera) to stitch the images into a single panorama photo.

Photo Frame Mode
You can compose your shot while displaying one of the borders registered in the camera. This is a quick, easy way to produce photos with attractive borders.
*The picture size is automatically resized to 2M (or below).

Beach & Surf Mode
This mode prevents both the blue cast that typically occurs with images recorded underwater and the blown highlights that often result in photos taken on bright days at the beach.

Comparison Chart

SCN (Scene) Modes	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
Portrait Mode	●	●	●	●	●	●	●	●	●	●	●	-*	●	●
Soft Skin Mode	●	●	●	●	●	●	●	●	●	●	●	-*	●	●
Scenery Mode	●	●	●	●	●	●	●	●	●	●	●	-*	●	●
Sports Mode	●	●	Mode Dial	●	●	●	●	●	●	●	●	-*	●	●
Panning Mode	-	-	-	-	-	-	-	-	-	-	-	●	-	-
Night Portrait Mode	●	●	●	●	●	●	●	●	●	●	●	-*	●	●
Night Scenery Mode	●	●	●	●	●	●	●	●	●	●	●	-*	●	●
Self-Portrait Mode	●	●	●	●	●	●	●	●	●	●	●	-	●	●
Food Mode	●	●	●	●	●	●	●	●	●	●	●	-*	●	●
Party Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Candle Light Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fireworks Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Starry Sky Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Beach Mode	●	●	-	●	●	●	●	●	●	●	●	●	●	●
Aerial Photo Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Snow Mode	●	●	Mode Dial	●	●	●	●	●	●	●	●	●	●	●

SCN (Scene) Modes	TZ7	TZ6	FT1	FX48	FX580	FS25	FS15	FS7	FS6	FS4	LS85	FZ28	FX180	LX3
High Sensitivity Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Baby Mode (1 and 2)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Underwater Mode	●	●	●	●	-	-	-	-	-	-	-	-	-	-
Sunset Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pet Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hi-Speed Burst Mode (Maximum)	10 fps	10 fps	10 fps	10 fps	10 fps	5 fps	5 fps	6 fps	5.5 fps	5.5 fps	4.5 fps	13 fps	7 fps	6 fps
Flash Burst Mode	●	●	●	●	●	●	●	●	●	●	-	●	●	●
Pin Hole Mode	●	●	●	●	●	●	●	-	-	-	-	●	●	●
Film Grain Mode	●	●	●	●	●	●	●	●	●	-	-	●	●	●
Transform Mode	●	●	●	●	●	●	●	●	●	-	-	-	●	-
Panorama Assist Mode	●	●	●	●	●	-	-	-	-	-	-	-	-	-
Photo Frame Mode	-	-	-	-	-	●	●	●	●	-	-	-	-	-
Beach & Surf Mode	-	-	●	-	-	-	-	-	-	-	-	-	-	-

*Included in the detailed settings of the Advanced SCN modes.

Specifications

			DMC-TZ7	DMC-TZ6	DMC-FT1	DMC-FX48	DMC-FX580	DMC-FS25
CCD	Camera Effective Pixels		10.1 megapixels	10.1 megapixels	12.1 megapixels	12.1 megapixels	12.1 megapixels	12.1 megapixels
	Sensor Size / Total Pixels / Filter		1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.5" / 10.3 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter
Lens	Aperture		F3.3 – 4.9 / Iris Diaphragm (F3.3 – 6.3 [W] / F4.9 – 6.3 [T])	F3.3 – 4.9 / Iris Diaphragm (F3.3 – 6.3 [W] / F4.9 – 6.3 [T])	F3.3 – 5.9 / 2-Step (F3.3 – 11 [W] / F5.9 – 18 [T])	F2.8 – 5.9 / Iris Diaphragm (F2.8 – 8.0 [W] / F5.9 – 8.0 [T])	F2.8 – 5.9 / Iris Diaphragm (F2.8 – 8 [W] / F5.9 – 8 [T])	F3.3 – 5.9 / Iris Diaphragm (F3.3 – 8.0 [W] / F5.9 – 8.0 [T])
	Optical Zoom / Focal Length		12x / f= 4.1 – 49.2 mm (35 mm equiv.: 25 – 300 mm) (available in Motion Picture mode)	12x / f= 4.1 – 49.2 mm (35 mm equiv.: 25 – 300 mm)	4.6x / f=4.9 – 22.8 mm (35 mm equiv.: 28 – 128 mm)	5x / f=4.4 – 22.0 mm (35 mm equiv.: 25 – 125 mm)	5x / f=4.4 – 22.0 mm (35 mm equiv.: 25 – 125 mm)	5x / f=5.2 – 26.0 mm (35 mm equiv.: 29 – 145 mm)
	Extra Optical Zoom (Max.)		21.4x (3M or below)	21.4x (3M or below)	9.1x (3M or below)	9.8x (3M or below)	9.8x (3M or below)	9.8x (3M or below)
	Lens System		LEICA DC VARIO-ELMAR 10 elements in 8 groups (2 aspherical lenses, 2 ED lens)	LEICA DC VARIO-ELMAR 10 elements in 8 groups (2 aspherical lenses, 2 ED lens)	LEICA DC VARIO-ELMAR 10 elements in 8 groups (5 aspherical lenses, 1 ED lens)	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (4 aspherical lenses, 1 EA lens)	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (4 aspherical lenses, 1 EA lens)	LEICA DC VARIO-ELMAR 7 elements in 6 groups (3 aspherical lenses)
Optical Image Stabilizer			MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)
Digital Zoom			4x (Max. 85.5x combined with Extra Optical Zoom)	4x (Max. 85.5x combined with Extra Optical Zoom)	4x (Max. 36.0x combined with Extra Optical Zoom)	4x (Max. 39.2x combined with Extra Optical Zoom)	4x (Max. 39.2x combined with Extra Optical Zoom)	4x (Max.39.1x combined with Extra Optical Zoom)
Focus	Focusing Area		Normal: 50 cm (1.64 ft) [W] / 200 cm (6.56 ft) [T] ~ ∞ Macro / Intelligent AUTO / Clipboard: 3 cm (0.098 ft) [W] / 200 cm (6.56 ft) [T] ~ ∞ Tele Macro: 100 cm (3.28 ft) ~ ∞	Normal: 50 cm (1.64 ft) [W] / 200 cm (6.56 ft) [T] ~ ∞ Macro / Intelligent AUTO / Clipboard: 3 cm (0.098 ft) [W] / 200 cm (6.56 ft) [T] ~ ∞ Tele Macro: 100 cm (3.28 ft) ~ ∞	Normal: 30 cm (0.98 ft) ~ ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 30 cm (0.98 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞
	AF Assist Lamp		Yes	Yes	Yes (and LED Illumination light)	Yes	Yes	Yes
	Focus		Normal / Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, AF Tracking (On / Off), Quick AF	Normal / Macro, Touch AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, AF Tracking (On / Off), Quick AF (Always On)
	AF Mode		Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / Touch AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot / Touched area	Face / AF Tracking / Multi (11-area) / 1-area
Recording File Format	Still Image		JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible
	Still Image with Audio		JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	-
	Motion Image		AVCHD Lite, QuickTime Motion JPEG	QuickTime Motion JPEG	AVCHD Lite, QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG
File Size (Pixels)	Still Image	4:3	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)
		3:2	9.5M (3776 x 2520) / 6.5M (3168 x 2112) / 4.5M (2656 x 1768) / 3M (2112 x 1408) / 2.5M (2048 x 1360)	9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)
		16:9	9M (3968 x 2232) / 6M (3328 x 1872) / 4.5M (2784 x 1568) / 2.5M (2208 x 1248) / 2M (1920 x 1080)	7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)
	Motion Image	4:3	QVGA (320 x 240) at 30 fps/ VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps/ VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps/ VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps/ VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) / VGA (640 x 480), 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)
		16:9	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480), 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)
		HD	1280 x 720 at 50p* (AVCHD Lite, SH: 17 Mbps / H: 13 Mbps / L: 9 Mbps) / 30 fps (Motion JPEG) *CCD output is 25p.	-	1280 x 720 at 50p* (AVCHD Lite, SH: 17 Mbps / H: 13 Mbps / L: 9 Mbps) / 30 fps (Motion JPEG) *CCD output is 25p.	1280 x 720 at 30 fps (Motion JPEG)	1280 x 720, 30 fps (Motion JPEG)	-
Image Quality			Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard
Rec. Mode	Mode Dial / Mode Button		Intelligent AUTO, Normal Picture, My SCN1, My SCN2, SCN, Clipboard	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture, Clipboard	Intelligent AUTO, Normal Picture, SCN, Beach & Surf, Snow, Sports, Clipboard	Intelligent AUTO, Normal Picture, SCN, Motion Picture, Clipboard	Intelligent AUTO, My SCN, SCN, Motion Picture, P, A, S, M	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture
	iA Direct Button		-	-	-	-	-	Yes
	Movie Button		Yes	-	Yes	-	-	-
	Still Image SCN Mode		Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Underwater	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Underwater	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Underwater	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Photo Frame
	Movie SCN Mode		Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Low Light, Food, Party, Candle Light, Sunset, Beach, Snow, Aerial, Pinhole, Film Grain, Underwater, High Sensitivity (Activated by selecting Still Image SCN Mode then pressing Movie Button. Still Image SCN Modes without corresponding Movie SCN Mode is recorded in Normal Mode.)	-	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Low Light, Food, Party, Candle Light, Sunset, Beach & Surf, Snow, Aerial, Pinhole, Film Grain, Underwater, High Sensitivity (Activated by selecting Still Image SCN Mode then pressing Movie Button. Still Image SCN Modes without corresponding Movie SCN Mode is recorded in Normal Mode.)	-	-	-
	Advanced SCN Mode		-	-	-	-	-	-
Continuous Shooting	Full-Resolution Image		2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.5 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	1.8 fps; Max. 5 (Standard) / 3 (Fine) images
	Hi-Speed Burst Mode (Max.)		Approx. 10 fps (3M for 4:3 / 2.5M for 3:2 / 2M for 16:9)	Approx. 10 fps (3M for 4:3 / 2.5M for 3:2 / 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)
	Unlimited Consecutive Shooting*		Yes	Yes	Yes	Yes	Yes	Yes
Shutter Speed			8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/1300 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	60 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)
Exposure			Program AE	Program AE	Program AE	Program AE	Program AE, Aperture Priority AE, Shutter Priority AE, Manual	Program AE
Exposure Compensation			1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV
Backlight Compensation			Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)
Auto (AE) Bracketing			+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames
Color Bracketing			-	-	-	-	Standard / Black & White / Sepia (3 images)	-
Light Metering			Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple
ISO Sensitivity			Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)
White Balance			Auto / Daylight / Cloudy / Shade / Halogen / White Set Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set / Color Temperature 2-axis adjustable in +/- 9 steps	Auto / Daylight / Cloudy / Shade / Halogen / White Set
Face Recognition			Yes	-	Yes	Yes	Yes	-
Film Mode			-	-	-	-	-	-
Color Mode / Color Effect			Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm
Picture Adjustment			-	-	-	-	Contrast / Sharpness / Saturation / Noise Reduction	-
Self Timer			2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec
Playback Mode			Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Mode Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, Aspect conversion, DPOF print setting, Playback of motion pictures (AVCHD Lite / Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Mode Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, Aspect conversion, DPOF print setting, Playback of motion pictures (AVCHD Lite / Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, Dual-Image Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Easy Organization (Set Favorites / Delete / Edit [Resize / Trimming / Leveling / Title Edit / Text Stamp / Protect], Touch-Zoom Playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Leveling, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, Dual-Image Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)
LCD Monitor			3.0" TFT LCD (460K dots), Approx. 100% coverage, Wide Viewing Angle	2.7" TFT LCD (230K dots), Approx. 100% coverage	2.7" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	2.5" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	3.0" TFT Touch Screen LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	3.0" TFT LCD (230K dots), Approx. 100% coverage
Viewfinder			-	-	-	-	-	-
Flash	Built-in-Flash		Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./ Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./ Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./ Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off
	Flash Range (ISO Auto)		0.6 – 5.3 m (1.97 – 17.39 ft) [W] / 1.0 – 3.6 m (3.28 – 11.81 ft) [T]	0.6 – 5.3 m (1.97 – 17.39 ft) [W] / 1.0 – 3.6 m (3.28 – 11.81 ft) [T]	0.3 – 5.1 m (0.98 – 16.73 ft) [W] / 0.3 – 2.8 m (0.98 – 9.19 ft) [T]	0.6 – 6.0 m (1.97 – 19.69 ft) [W] / 1.0 – 2.8 m (3.28 – 9.19 ft) [T]	0.6 – 6.0 m (1.97 – 19.69 ft) [W] / 1.0 – 2.8 m (3.28 – 9.19 ft) [T]	0.3 – 5.3 m (0.98 – 17.39 ft) [W] / 1.0 – 3.0 m (3.28 – 9.84 ft) [T]
	Digital Red-Eye Correction		Yes	Yes	Yes	Yes	Yes	Yes
Recording Media			Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)
Built-in-Memory			Approx. 40 MB	Approx. 40 MB	Approx. 40 MB	Approx. 40 MB	Approx. 40 MB	Approx. 50 MB
Microphone / Speaker			Stereo / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes
Interface			mini HDMI, USB2.0 High Speed / AV Output (Stereo Type, NTSC/PAL, NTSC only for North America) / DC Input (requires optional Multi-Adapter)	USB2.0 High Speed / AV Output (Stereo Type, NTSC/PAL, NTSC only for North America) / DC Input (requires optional Multi-Adapter)	miniHDMI, USB2.0 High Speed / AV Output (Stereo Type, NTSC/ PAL, NTSC only for North America) / DC Input (requires optional Multi-Adapter)	HD Component Output, AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)	HD Component Output, AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)
HDMI Output			Video: Auto / 1080i / 720p / 576p Audio: Dolby® Digital Stereo Creator	-	Video: Auto / 1080i / 720p / 576p Audio: Dolby® Digital Creator		-	-
Direct Print			PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Battery			ID-Security Li-ion Battery Pack (3.6 V, Typical: 950 mAh / Minimum: 895 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 950 mAh / Minimum: 895 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)
Battery Life (CIPA**)			Approx. 300 images	Approx. 320 images	Approx. 340 images	Approx. 350 images	Approx. 350 images	Approx. 330 images
Included Software			PHOTOfunSTUDIO 3.0 HD Edition, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0 HD Edition, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver
Standard Accessories			Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap (with Stopper), CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM, Touch Pen	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM
Dimensions (W x H x D)			Approx. 103.3 x 59.6 x 32.8 mm (4.07 x 2.35 x 1.29 in)	Approx. 103.3 x 59.6 x 32.8 mm (4.07 x 2.35 x 1.29 in)	Approx. 98.3 x 63.1 x 23.0 mm (3.87 x 2.49 x 0.91 in)	Approx. 95.3 x 52.9 x 21.5 mm (3.75 x 2.08 x 0.85 in)	Approx. 94.9 x 57.1 x 21.9 mm (3.74 x 2.25 x 0.86 in)	Approx. 97.0 x 57.9 x 21.8 mm (3.82 x 2.28 x 0.86 in)
Weight (Body Only)			Approx. 206 g (0.45 lb)	Approx. 206 g (0.45 lb)	Approx. 162.5g (0.36 lb)	Approx. 128 g (0.28 lb)	Approx. 145 g (0.32 lb)	Approx. 126 g (0.28 lb)

Specifications

			DMC-FS15	DMC-FS7	DMC-FS6	DMC-FS4	DMC-LS85	DMC-FZ28
CCD	Camera Effective Pixels		12.1 megapixels	10.1 megapixels	8.1 megapixels	8.1 megapixels	8.1 megapixels	10.1 megapixels
	Sensor Size / Total Pixels / Filter		1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.5" / 10.35 total megapixels / Primary Color Filter	1/2.5" / 8.32 total megapixels / Primary Color Filter	1/2.5" / 8.32 total megapixels / Primary Color Filter	1/2.5" / 8.32 total megapixels / Primary Color Filter	1/2.33" / 10.7 total megapixels / Primary Color Filter
Lens	Aperture		F3.3 – 5.9 / Iris Diaphragm (F3.3 – 8.0 [W] / F5.9 – 8.0 [T])	F2.8 – 5.9 / 2-Step (F2.8 – 8.0 [W] / F5.9 – 16.0 [T])	F2.8 – 5.9 / 2-Step (F2.8 – 8.0 [W] / F5.9 – 16.0 [T])	F2.8 – 5.9 / 2-Step (F2.8 – 8.0 [W] / F5.9 – 16.0 [T])	F2.8 – 5.9 / 2-Step (F2.8 – 8.0 [W] / F5.9 – 16.0 [T])	F2.8 – 4.4 / Iris Diaphragm (F2.8 – 8.0 [W] / F4.4 – 8.0 [T])
	Optical Zoom / Focal Length		5x / f=5.2 – 26.0 mm (35 mm equiv.: 29 – 145 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	18x / f=4.8 – 86.4 mm (35 mm equiv.: 27 – 486 mm)
	Extra Optical Zoom (Max.)		9.8x (3M or below)	7.1x (3M or below)	6.4x (3M or below)	6.4x (3M or below)	6.4x (3M or below)	32.1x (3M or below)
	Lens System		LEICA DC VARIO-ELMAR 7 elements in 6 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT 6 elements in 5 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT 6 elements in 5 groups (3 aspherical lenses)	LUMIX DC VARIO 6 elements in 5 groups (3 aspherical lenses)	LUMIX DC VARIO 6 elements in 5 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT 11 elements in 8 groups (3 aspherical lenses, 2 ED lenses)
Optical Image Stabilizer			MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	-	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)
Digital Zoom			4x (Max.39.1x combined with Extra Optical Zoom)	4x (Max.28.4x combined with Extra Optical Zoom)	4x (Max.25.6x combined with Extra Optical Zoom)	4x (Max.25.5x combined with Extra Optical Zoom)	4x (Max.25.5x combined with Extra Optical Zoom)	4x (Max. 128x combined with Extra Optical Zoom)
Focus	Focusing Area		Normal: 50 cm (1.64 ft) [W] / 100 cm (3.28 ft) [T] – ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 100 cm (3.28 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] – ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] – ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] – ∞ Macro / Auto Scene: 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] / 50 cm (1.64 ft) [T] – ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 30 cm (0.98 ft) [W] / 200 cm (6.56 ft) [T] – ∞ Macro / Intelligent AUTO: 1 cm (0.03 ft) [W] / 200 cm (6.56 ft) [T] – ∞ Tele Macro (11 - 18x [T]): 100 cm (3.28 ft) – ∞
	AF Assist Lamp		Yes	Yes	Yes	Yes	Yes	Yes
	Focus		Normal / Macro, AF Tracking (On / Off), Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (On / Off), Continuous AF (On / Off), AF/MF switchable, Manual Focus (Joystick), One Shot AF, AF area select, AF Tracking
	AF Mode		Face / AF Tracking / Multi (11-area) / 1-area	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot
Recording File Format	Still Image		JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), RAW, DPOF compatible
	Still Image with Audio		-	-	-	-	-	JPEG (DCF / Exif2.21) + QuickTime
	Motion Image		QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG
File Size (Pixels)	Still Image	4:3	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480))	8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536)	8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)
		3:2	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	7M (3264 x 2176) / 2.5M (2048 x 1360)	7M (3264 x 2176) / 2.5M (2048 x 1360)	9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)
		16:9	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	6M (3264 x 1840) / 2M (1920 x 1080)	6M (3264 x 1840) / 2M (1920 x 1080)	7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)
	Motion Image	4:3	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 10 or 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)
		16:9	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)
		HD	-	-	-	-	-	1280 x 720 at 30 fps (Motion JPEG)
Image Quality			Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard / RAW / RAW+JPEG
Rec. Mode	Mode Dial / Mode Button		Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Auto Scene, Normal Picture, SCN, Motion Picture	Intelligent AUTO, Normal Picture, SCN, Motion Picture	Intelligent AUTO, P, A, S, M, Custom1, Custom2, Motion Picture, Portrait, Scenery, Sports, Night Portrait, Close-up, SCN
	iA Direct Button		Yes	Yes	Yes	-	Yes	-
	Movie Button		-	-	-	-	-	-
	Still Image SCN Mode		Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Film Grain, Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Film Grain, Photo Frame	Portrait, Soft Skin, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo	Portrait, Soft Skin, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo	Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Panning, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain
	Movie SCN Mode		-	-	-	-	-	-
	Advanced SCN Mode		-	-	-	-	-	Portrait: Normal, Soft Skin, Outdoor, Indoor, Creative Scenery: Normal, Nature, Architecture, Creative Sports: Normal, Outdoor, Indoor, Creative Night Portrait : Night Portrait, Night Scenery, Illuminations, Creative Close-up: Flower, Food, Objects, Creative
Continuous Shooting	Full-Resolution Image		1.8 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	3 fps; Max. 7 (Standard) / 4 (Fine) images	3 fps; Max. 7 (Standard) / 4 (Fine) images	3 fps; Max. 7 (Standard) / 4 (Fine) images	2.5 fps; Max. 5 (Standard) / 3 (Fine) images
	Hi-Speed Burst Mode (Max.)		Approx. 5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 6 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5.5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5.5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 4.5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Speed Priority: Approx. 11 fps (3M for 4:3), 12 fps (2.5M for 3:2), 13 fps (2M for 16:9) Image Priority: Approx. 7 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)
	Unlimited Consecutive Shooting*		Yes	Yes	Yes	Yes	Yes	Yes
Shutter Speed			8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	60 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)
Exposure			Program AE	Program AE	Program AE	Program AE	Program AE	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
Exposure Compensation			1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV
Backlight Compensation			Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Auto Scene mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)
Auto (AE) Bracketing			+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	-	-	+/-1/3 EV – 1 EV step, 3 frames
Color Bracketing			-	-	-	-		Standard / Black & White (2 images), Standard / Sepia (2 images), Standard / Black & White / Sepia (3 images)
Light Metering			Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity			Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1000 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)
White Balance			Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / Color Temperature / Flash / White Set1 / White Set2 2-axis adjustable in +/- 9 steps
Face Recognition			-	-	-	-	-	-
Film Mode			-	-	-	-	-	-
Color Mode / Color Effect			Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Black & White, Sepia, Cool, Warm
Picture Adjustment			-	-	-	-	-	Contrast / Sharpness / Saturation / Noise Reduction
Self Timer			2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec / 10 sec (3 images)
Playback Mode			Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback (playback and slideshow of pictures in category), Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Creating still pictures from a motion picture, Enlarge focus area, Image leveling
LCD Monitor			2.7" TFT LCD (230K dots), Approx. 100% coverage	2.7" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	2.7" TFT LCD (230K dots), Approx. 100% coverage
Viewfinder			-	-	-	-	-	0.20" Color EVF (201.6K dots equiv.), Approx. 100% coverage, Lens 19.6x
Flash	Built-in-Flash		Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off, Flash Synchro: 1st / 2nd; Flash Output Adjustment (1/3 EV step, -2 – +2 EV)
	Flash Range (ISO Auto)		0.3 – 5.3 m (0.98 – 17.39 ft) [W] / 1.0 – 3.0 m (3.28 – 9.84 ft) [T]	0.6 – 6.3 m (1.97 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.6 – 6.3 m (1.97 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.6 – 6.3 m (1.97 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.3 – 5.9 m (0.98 – 19.36 ft) [W] / 0.5 – 2.8 m (1.64 – 9.17 ft) [T]	0.3 – 8.5 m (0.98 – 27.89 ft) [W] / 1.0 – 5.4 m (3.28 – 17.72 ft) [T]
	Digital Red-Eye Correction		Yes	Yes	Yes	-	-	Yes
Recording Media			Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)
Built-in-Memory			Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB
Microphone / Speaker			Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes
Interface			AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC / PAL, NTSC only for North America), USB2.0 Full Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC / PAL, NTSC only for North America), USB2.0 Full Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC/PAL), USB2.0 Full Speed	AV Output (NTSC/PAL, NTSC only in North America) / USB2.0 Full Speed	DC Input, AV Output (NTSC/PAL), HD Component Output, USB2.0 High Speed
HDMI Output			-	-	-	-	-	-
Direct Print			PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Battery			ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1,000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Alkaline AA Battery x2, AC Adapter (optional)	Li-ion Battery Pack (7.2 V, Typical: 710 mAh / Minimum: 695 mAh), AC Adapter (optional)
Battery Life (CIPA**)			Approx. 330 images	Approx. 360 images	Approx. 400 images	Approx. 410 images	Approx. 270 (Alkaline Batteries) / 550 (Ni-MH Batteries) images	Approx. 460 images
Included Software			PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, USB Driver	PHOTOfunSTUDIO-viewer- 2.1 E, SILKYPIX® Developer Studio 3.0 SE, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver
Standard Accessories			Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Pack (AA Alkaline Batteries x 2), AV Cable, USB Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Lens Cap, Lens Cap Strap, Lens Hood, Hood Adapter, AV Cable, USB Cable, AC Cable, Shoulder Strap, CD-ROM
Dimensions (W x H x D)			Approx. 97.0 x 54.4 x 21.7 mm (3.82 x 2.14 x 0.85 in)	Approx. 97.0 x 54.4 x 21.7 mm (3.82 x 2.14 x 0.85 in)	Approx. 97.0 x 54.4 x 21.2 mm (3.82 x 2.14 x 0.84 in)	Approx. 97.6 x 55.4 x 22.3 mm (3.84 x 2.18 x 0.88 in)	Approx. 96.7 x 62.0 x 29.8 mm (3.89 x 2.48 x 1.19 in)	Approx. 117.6 x 75.3 x 88.9 mm (4.63 x 2.96 x 3.5 in)
Weight (Body Only)			Approx. 116 g (0.26 lb)	Approx. 117 g (0.258 lb)	Approx. 115 g (0.25 lb)	Approx. 112 g (0.25 lb)	Approx. 128 g (0.28 lb)	Approx. 370 g (0.82 lb)

Specifications

			DMC-FX180	DMC-LX3
CCD	Camera Effective Pixels		14.7 megapixels	10.1 megapixels
	Sensor Size / Total Pixels / Filter		1/1.72" / 15.0 total megapixels / Primary Color Filter	1/1.63" / 11.3 total megapixels / Primary Color Filter
Lens	Aperture		F2.8 – 5.6 / 2-Step (F2.8 – 9.0 [W] / F5.6 – 18.0 [T])	F2.0 – 2.4 / Iris Diaphragm (F2.0 – 8.0 [W] / F2.4 – 8.0 [T])
	Optical Zoom / Focal Length		3.6x / f=6.0 – 21.4 mm (35 mm equiv.: 28 – 100 mm)	2.5x / f=5.1 – 12.8 mm (35 mm equiv.: 24 – 60 mm)
	Extra Optical Zoom (Max.)		7.7x (3M or below)	4.5x (3M or below)
	Lens System		LEICA DC VARIO-ELMARIT 7 elements in 6 groups (4 aspherical lenses, 1 EA lens)	LEICA DC VARIO-SUMMICRON 8 elements in 6 groups (4 aspherical lenses)
Optical Image Stabilizer			MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)
Digital Zoom			4x (Max. 30.8x combined with Extra Optical Zoom)	4x (Max. 17.9x combined with Extra Optical Zoom)
Focus	Focusing Area		Normal: 50 cm (1.64 ft) [W] – ∞ Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 30 cm (0.98 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] / 50 cm (1.64 ft) [T] – ∞ Macro / Intelligent AUTO : 1 cm (0.03 ft) [W] / 30 cm (0.98 ft) [T] – ∞
	AF Assist Lamp		Yes	Yes
	Focus		Normal / Macro, Quick AF (On / Off), AF area select, AF Tracking	Normal / Macro, Quick AF (On / Off)f, Continuous AF (On / Off), AF/MF switchable, Manual Focus (Joystick), One Shot AF, AF area select, AF Tracking
	AF Mode		Face / AF tracking / Multi (11-area) / 1-area / 1-area HS / Spot	Face / AF tracking / Multi (11-area) / 1-area / 1-area HS / Spot
Recording File Format	Still Image		JPEG (DCF / Exif2.21), RAW, DPOF compatible	JPEG (DCF / Exif2.21), RAW, DPOF compatible
	Still Image with Audio		JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime
	Motion Image		QuickTime Motion JPEG	QuickTime Motion JPEG
File Size (Pixels)	Still Image	4:3	14.5M (4416 x 3312) / 10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	10M (3648 x 2,736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)
		3:2	13M (4416 x 2944) / 9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	9.5M (3776 x 2520) / 6.5M (3168 x 2112) / 4.5M (2656 x 1768) / 3M (2112 x 1408) / 2.5M (2048 x 1360)
		16:9	11M (4416 x 2480) / 7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (3968 x 2232) / 6M (3328 x 1872) / 4.5M (2784 x 1568) / 2.5M (2208 x 1248) / 2M (1920 x 1080)
	Motion Image	4:3	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)
		16:9	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)
		HD	1280 x 720 at 24 fps (Motion JPEG)	1280 x 720 at 24 fps (Motion JPEG)
Image Quality			Fine / Standard / RAW / RAW+JPEG	Fine / Standard / RAW / RAW+Standard JPEG / RAW+Fine JPEG
Rec. Mode	Mode Dial / Mode Button		Intelligent AUTO, P, M, Motion Picture, SCN	Intelligent AUTO, P, A, S, M, Motion Picture, Custom1, Custom2, SCN
	iA Direct Button		-	-
	Movie Button		-	-
	Still Image SCN Mode		Portrait, Soft Skin, Transform, Scenery, Sports, Night Portrait, Night Scenery, Self-Portrait, Food, Party, Candle Light, Fireworks, Starry Sky, Beach, Aerial Photo, Snow, High Sensitivity, Baby1, Baby2, Sunset, Pet, Hi-speed Burst (Image Priority / Speed Priority), Flash-Burst, Film Grain, Pin Hole	Portrait, Soft Skin, Scenery, Sports, Night Portrait, Night Scenery, Self-Portrait, Food, Party, Candle Light, Fireworks, Starry Sky, Beach, Aerial Photo, Snow, High Sensitivity, Baby1, Baby2, Sunset, Pet, Hi-speed Burst, Flash-Burst, Film Grain, Pin Hole
	Movie SCN Mode		-	-
	Advanced SCN Mode		-	-
Continuous Shooting	Full-Resolution Image		2 fps; Max. 8 (Standard) / 4 (Fine) images	2.5 fps; Max. 8 (Standard) / 4 (Fine) images
	Hi-Speed Burst Mode (Max.)		Speed Priority: Approx. 7 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9) Image Priority: Approx. 5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 6 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)
	Unlimited Consecutive Shooting*		Yes	Yes
Shutter Speed			60 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	60 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)
Exposure			Program AE, Simple Manual	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
Exposure Compensation			1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV
Backlight Compensation			Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)
Auto (AE) Bracketing			+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames
Color Bracketing			Standard / Black & White (2 images), Standard / Sepia (2 images), Standard / Black & White / Sepia (3 images)	-
Light Metering			Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity			Auto / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 / 3200 (High Sensitivity mode: 1600 – 6400)
White Balance			Auto / Daylight / Cloudy / Shade / Halogen / Color Temperature / White Set1 / White Set 2 2-axis adjustable in +/- 9 steps	Auto / Daylight / Cloudy / Shade / Halogen / Color Temperature / Flash / White Set 1 / White Set 2 2-axis adjustable in +/- 9 steps
Face Recognition			-	-
Film Mode			-	Standard, Dynamic, Natural, Smooth, Vibrant, Nostalgic, WB/Standard, WB/Dynamic, WB/Smooth, My Film1, My Film2, Multi Film
Color Mode / Color Effect			Black & White, Sepia, Cool, Warm	-
Picture Adjustment			Contrast / Sharpness / Saturation / Noise Reduction	Contrast / Sharpness / Saturation / Noise Reduction
Self Timer			2 sec / 10 sec	2 sec / 10 sec
Playback Mode			30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback (playback and slideshow of pictures in category), Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Creating still pictures from a motion picture, Image leveling	30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback (playback and slideshow of pictures in category), Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Creating still pictures from a motion picture, Dual image playback, Enlarge focus area, Image leveling
LCD Monitor			2.7" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	3.0" 3:2 Polycrystalline TFT LCD (460K dots), Approx. 100% coverage, Wide Viewing Angle
Viewfinder			-	External Viewfinder (optional)
Flash	Built-in-Flash		Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off, Flash Synchro: 1st / 2nd; Flash Output Adjustment (1/3 EV step, -2 – +2 EV)
	Flash Range (ISO Auto)		0.6 – 5.9 m (1.97 – 19.36 ft) [W] / 0.3 – 2.9 m (0.98 – 9.51 ft) [T]	0.8 – 8.3 m (2.63 – 27.23 ft) [W] / 0.3 – 5.9 m (0.98 – 19.36 ft) [T]
	Digital Red-Eye Correction		Yes	Yes
Recording Media			Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)
Built-in-Memory			Approx. 50 MB	Approx. 50 MB
Microphone / Speaker			Mono / Yes	Mono / Yes
Interface			DC Input, AV Output (NTSC/PAL), HD Component Output, USB2.0 High Speed	DC Input, AV Output (NTSC/PAL), HD Component Output, USB2.0 High Speed
HDMI Output			-	-
Direct Print			PictBridge	PictBridge
Battery			Li-ion Battery Pack (3.7 V, Typical: 1150 mAh / Minimum: 1090 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.7 V, Typical: 1150 mAh / Minimum: 1090 mAh), AC Adapter (optional)
Battery Life (CIPA**)			Approx. 330 images	Approx. 380 images
Included Software			PHOTOfunSTUDIO-viewer- 2.1 E, SILKYPIX® Developer Studio 3.0 SE, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO-viewer- 2.1 E, SILKYPIX® Developer Studio 3.0 SE, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver
Standard Accessories			Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, Lens Cap, Lens Cap Strap, AV Cable, USB Cable, AC Cable, Shoulder Strap, CD-ROM
Dimensions (W x H x D)			Approx. 96.7 x 54.0 x 24.8 mm (3.80 x 2.13 x 0.96 in)	Approx. 108.7 x 59.5 x 27.1 mm (4.28 x 2.34 x 1.07 in)
Weight (Body Only)			Approx. 151 g (0.3329 lb)	Approx. 229 g (0.50 lb)

*Number of shots may vary depending on memory card size, battery power, picture size, and compression. The consecutive shooting speed varies depending on the shooting conditions and memory card.
**Based on the CIPA standard. Shooting conditions: 23°C with 50% humidity; LCD on; using SD Memory Card; starting to shoot 30 seconds after turning on the power; shooting once every 30 seconds with the flash in full operation for every other shot; changing the zoom setting from telephoto to wide, or wide to telephoto, for each shot; and temporarily turning the power off after each 10 shots (long enough to lower the battery temperature). The number of recordable pictures decreases in Auto Power LCD mode or Power LCD mode.

Options that give you more comfort. More creativity. More fun.

Wide Conversion Lens
DMW-LW46 (0.75x)
(for LX3)

Tele Conversion Lens
DMW-LT55 (1.7x)
(for FZ28)

Close-Up Lens
DMW-LC55
(Focal length: 500mm)
(for FZ28)
The zoom range is restricted to a magnification of 3x to 18x.

Lens Adapter
DMW-LA3 (for FZ28)
DMW-LA4 (for LX3)

*Use of the lens adapter is required.

External Flash
DMW-FL220 (GN22)
(for LX3)

DMW-FL360 (GN36)
(for LX3)

DMW-FL500 (GN50)
(for LX3)

ND Filter
DMW-LND46
(for FZ28/LX3*)

PL Filter
DMW-LPL46
(for FZ28/LX3*)

MC Protector
DMW-LMC46
(for FZ28/LX3*)

*Use of the lens adapter is required.

External Optical Viewfinder
DMW-VF1 (for LX3)

Marine Case
(to a depth of 40 m/131 ft)
DMW-MCTZ7 (for TZ series)
DMW-MCFT1 (for FT1)
DMW-MCFX40 (for FX48)

*Usable external strobe produced by INON.
For more details, see
http://www.inon.co.jp/INON_TOP_e.shtml

SD Memory Card

Pro High Speed		High Speed	
32 GB*:	RP-SDV32G	12 GB*:	RP-SDM12G
16 GB*:	RP-SDV16G	6 GB*:	RP-SDM06G
8 GB*:	RP-SDV08G	4 GB*:	RP-SDM04G
4 GB*:	RP-SDV04G	2 GB*:	RP-SDM02G
2 GB*:	RP-SDV02G	1 GB*:	RP-SDR01G

*1 GB = 1 billion bytes. Usable capacity will be less.

AC Adapter
DMW-AC5
(for TZ series/FT1/LX3/FX series/FS series)
DMW-AC6 (for LS85)
DMW-AC7 (for FZ series)

Multi Conversion Adapter
DMW-MCA1 (for TZ series/FT1)

*Use of the AC adapter (DMW-AC5) is required.

HDMI Mini Cable
RP-CDHM15 (1.5 m)
(for TZ7/FT1)
RP-CDHM30 (3.0 m)
(for TZ7/FT1)

HD Component Cable
DMW-HDC2
(for FX series/FZ28/LX3)

AV Cable
DMW-AVC1 (for LS85)

DC Coupler
DMW-DCC2 (for LS85)
DMW-DCC4 (for FS series)
*Use of the AC adapter (DMW-AC6) is required.

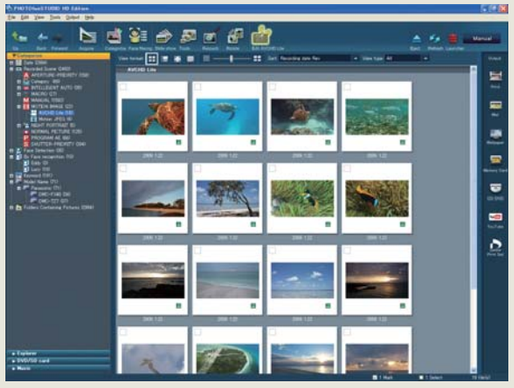
Battery Pack
CGA-S005 (for LX3/FX180)
CGR-S006 (for FZ28)
DMW-BCG10
(for TZ series)
DMW-BCF10
(for FX580/FX48/FS series)

Carrying Case
DMW-CLX3 (for LX3)

DMW-CZ18 (for FZ28/LX3)

Included Software

PHOTOfunSTUDIO 3.0
PHOTOfunSTUDIO 3.0 lets you edit or organize a collection of photos with more ease and fun. It features a Face Recognition function that recognizes the faces in the pictures stored in your PC to sort them by faces for you regardless of the camera type you used. Through the sophisticated interface, you can also enjoy emotion-packed slideshows with a variety of effects and music. Motion images can also be uploaded directly to YouTube™.
Furthermore, with the PHOTOfunSTUDIO 3.0 HD Edition (included in the TZ7/FT1), AVCHD Lite movies can be transferred to a PC from an SDHC/SD Memory Card or via the USB cable to view or even edit them. You can also make a DVD disc from the AVCHD Lite files by converting them to MPEG-2.



•Some accessories are not available in some countries.

Number of Recordable Still Pictures (Approx.)

: Fine : Standard

TZ7		Built-in Memory (Approx. 40MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	10M (3648 x 2736)	7	14	165	320	340	660	660	1310	1010	1990	1360	2660	2050	4020	2740	5370	5500	10770
	7M (3072 x 2304)	9	19	220	430	450	870	880	1720	1340	2620	1800	3500	2720	5290	3630	7050	7280	14160
	5M (2560 x 1920)	13	26	290	560	590	1130	1170	2230	1780	3390	2380	4540	3590	6860	4790	9150	9620	18350
	3M (2048 x 1536)	28	54	600	1160	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
	2M (1600 x 1200)	45	84	950	1770	1910	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29060	30970	58310
	0.3M (640 x 480)	200	320	4310	6710	8770	12290	17240	24130	26210	36700	35080	49120	52920	74090	70590	98830	141620	198260
3:2	9.5M (3776 x 2520)	7	15	170	330	340	680	680	1340	1040	2030	1390	2720	2100	4110	2800	5490	5630	11010
	6.5M (3168 x 2112)	10	20	220	440	460	890	900	1740	1370	2650	1840	3550	2780	5360	3710	7160	7450	14360
	4.5M (2656 x 1768)	18	37	400	790	820	1610	1630	3170	2470	4820	3310	6460	5000	9740	6670	13000	13390	26080
	3M (2112 x 1408)	29	57	630	1200	1270	2450	2510	4820	3820	7330	5110	9820	7710	14810	10290	19760	20650	39450
	2.5M (2048 x 1360)	31	60	670	1280	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	9M (3968 x 2232)	7	15	175	340	350	690	700	1370	1070	2080	1430	2790	2160	4200	2880	5610	5790	11260
	6M (3328 x 1872)	10	20	220	440	460	900	920	1770	1400	2690	1870	3610	2820	5440	3770	7260	7560	14570
	4.5M (2784 x 1568)	20	39	430	850	890	1700	1740	3350	2650	5090	3550	6820	5360	10290	7160	13720	14360	27530
	2.5M (2208 x 1248)	32	62	680	1310	1390	2670	2740	5240	4160	7970	5580	10670	8410	16100	11230	21480	22520	43100
	2M (1920 x 1080)	41	79	880	1670	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

TZ6		Built-in Memory (Approx. 40MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	10M (3648 x 2736)	7	14	165	320	340	660	660	1310	1010	1990	1360	2660	2050	4020	2740	5370	5500	10770
	7M (3072 x 2304)	9	19	220	430	450	870	880	1720	1340	2620	1800	3500	2720	5290	3630	7050	7280	14160
	5M (2560 x 1920)	13	26	290	560	590	1130	1170	2230	1780	3390	2380	4540	3590	6860	4790	9150	9620	18350
	3M (2048 x 1536)	28	54	600	1160	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
	2M (1600 x 1200)	45	84	950	1770	1920	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29070	30970	58310
	0.3M (640 x 480)	200	320	4310	6710	8780	12290	17240	24130	26210	36700	35080	49120	52920	74090	70590	98840	141620	198270
3:2	9M (3648 x 2432)	7	16	180	350	360	720	720	1410	1100	2150	1470	2880	2230	4350	2970	5810	5970	11660
	6M (3072 x 2048)	10	21	230	460	480	930	940	1820	1440	2770	1930	3720	2910	5610	3890	7480	7800	15010
	4.5M (2560 x 1712)	20	39	430	850	890	1700	1740	3350	2650	5090	3550	6820	5360	10290	7160	13720	14360	27530
	2.5M (2048 x 1360)	31	60	670	1280	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	7.5M (3648 x 2056)	8	18	200	390	400	790	800	1560	1220	2380	1630	3180	2460	4810	3290	6410	6600	12870
	5.5M (3072 x 1728)	11	23	250	490	520	1000	1030	1970	1560	3000	2090	4020	3160	6070	4220	8100	8470	16250
	3.5M (2560 x 1440)	23	46	510	990	1040	1980	2040	3890	3100	5910	4160	7920	6270	11950	8370	15940	16800	31970
	2M (1920 x 1080)	41	79	880	1670	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

FT1		Built-in Memory (Approx. 40MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	12M (4000 x 3000)	6	12	140	280	290	560	570	1110	860	1690	1160	2270	1750	3420	2340	4570	4690	9170
	8M (3264 x 2448)	8	18	200	390	400	790	800	1560	1220	2380	1630	3180	2460	4810	3290	6410	6600	12870
	5M (2560 x 1920)	13	26	290	560	590	1130	1170	2230	1780	3390	2380	4540	3590	6860	4790	9150	9620	18350
	3M (2048 x 1536)	28	54	600	1160	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
	2M (1600 x 1200)	45	84	950	1770	1910	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29060	30970	58310
	0.3M (640 x 480)	200	320	4310	6710	8770	12290	17240	24130	26210	36700	35080	49120	52920	74090	70590	98830	141620	198260
3:2	10.5M (4000 x 2672)	6	13	155	300	310	620	620	1210	940	1850	1260	2480	1900	3740	2540	4990	5100	10010
	7M (3264 x 2175)	9	19	210	420	440	850	860	1670	1310	2540	1760	3410	2660	5140	3550	6860	7130	13760
	4.5M (2560 x 1712)	20	40	430	850	890	1700	1740	3350	2650	5090	3550	6820	5360	10290	7160	13720	14360	27530
	2.5M (2048 x 1360)	31	60	670	1280	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	9M (4000 x 2248)	7	15	170	340	350	680	690	1350	1060	2060	1410	2750	2140	4160	2850	5550	5720	11130
	6M (3264 x 1840)	10	21	230	450	470	930	940	1820	1430	2770	1910	3720	2890	5610	3860	7480	7740	15010
	3.5M (2560 x 1440)	24	46	510	990	1040	1980	2040	3890	3100	5910	4160	7920	6270	11950	8370	15940	16800	31970
	2M (1920 x 1080)	41	79	880	1670	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

FX580/FX48		Built-in Memory (Approx. 40MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	12M (4000 x 3000)	6	12	140	280	290	560	570	1110	860	1690	1160	2270	1750	3420	2340	4570	4690	9170
	8M (3264 x 2448)	8	18	200	390	400	790	800	1560	1220	2380	1630	3180	2460	4810	3290	6410	6600	12870
	5M (2560 x 1920)	13	26	290	560	590	1130	1170	2230	1780	3390	2380	4540	3590	6860	4790	9150	9620	18350
	3M (2048 x 1536)	28	54	600	1160	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
	2M (1600 x 1200)	45	84	950	1770	1920	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29060	30970	58310
	0.3M (640 x 480)	200	320	4310	6710	8780	12290	17240	24130	26210	36700	35080	49120	52920	74090	70590	98830	141620	198270
3:2	10.5M (4000 x 2672)	6	13	155	300	310	620	620	1210	940	1850	1260	2480	1900	3740	2540	4990	5100	10010
	7M (3264 x 2175)	9	19	210	420	440	850	860	1670	1310	2540	1760	3410	2660	5140	3550	6860	7130	13760
	4.5M (2560 x 1712)	20	40	430	850	890	1700	1740	3350	2650	5090	3550	6820	5360	10290	7160	13720	14360	27530
	2.5M (2048 x 1360)	31	60	670	1280	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	9M (4000 x 2248)	7	15	170	340	350	680	690	1350	1060	2060	1410	2750	2140	4160	2850	5550	5720	11130
	6M (3264 x 1840)	10	21	230	450	470	930	940	1820	1430	2770	1910	3720	2890	5610	3860	7480	7740	15010
	3.5M (2560 x 1440)	23	46	510	990	1040	1980	2040	3890	3100	5910	4160	7920	6270	11950	8370	15940	16800	31970
	2M (1920 x 1080)	41	79	880	1670	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

FS25/FS15		Built-in Memory (Approx. 50MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	12M (4000 x 3000)	7	16	160	320	320	650	640	1280	980	1950	1310	2610	1990	3940	2650	5250	5320	10540
	8M (3264 x 2448)	12	25	240	480	490	970	970	1910	1470	2910	1980	3890	2980	5880	3980	7840	7990	15730
	5M (2560 x 1920)	20	40	390	770	790	1530	1560	3010	2380	4580	3180	6130	4810	9260	6410	12350	12870	24780
	3M (2048 x 1536)	31	62	600	1180	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
	2M (1600 x 1200)	51	96	970	1830	1920	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29070	30970	58310
	0.3M (640 x 480)	240	400	4640	7550	8780	12290	17240	24130	26210	36700	35080	49120	52920	74090	70590	98840	141620	198270
3:2	10.5M (4000 x 2672)	9	18	180	360	360	730	720	1430	1100	2180	1470	2920	2230	4400	2970	5880	5970	11800
	7M (3264 x 2175)	13	27	270	530	550	1070	1080	2110	1650	3210	2210	4300	3330	6490	4450	8660	8930	17390
	4.5M (2560 x 1712)	22	45	440	860	890	1700	1740	3350	2650	5090	3550	6820	5360	10290	7160	13720	14360	27530
	2.5M (2048 x 1360)	35	69	680	1310	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	9M (4000 x 2248)	10	22	210	420	430	860	860	1690	1310	2580	1750	3450	2640	5210	3520	6950	7080	13960
	6M (3264 x 1840)	16	33	320	630	650	1270	1280	2510	1950	3820	2610	5110	3940	7710	5250	10290	10540	20650
	3.5M (2560 x 1440)	27	52	520	1000	1040	1980	2040	3890	3100	5910	4160	7920	6270	11950	8370	15940	16800	31970
	2M (1920 x 1080)	47	91	900	1720	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

FS7		Built-in Memory (Approx. 50MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	10M (3648 x 2736)	9	19	195	380	390	770	770	1520	1180	2320	1580	3100	2380	4680	3180	6250	6390	12540
	7M (3072 x 2304)	13	28	270	540	550	1090	1090	2150	1660	3270	2230	4380	3360	6610	4490	8820	9010	17700
	5M (2560 x 1920)	20	40	390	770	790	1530	1560	3010	2380	4580	3180	6130	4810	9260	6410	12350	12870	24780
	3M (2048 x 1536)	31	62	600	1180	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
	2M (1600 x 1200)	51	96	970	1830	1920	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29070	30970	58310
	0.3M (640 x 480)	240	400	4640	7550	8780	12290	17240	24130	26210	36700	35080	49120	52920	74090	70590	98840	141620	198270
3:2	9M (3648 x 2432)	10	22	210	430	440	870	870	1720	1320	2620	1770	3500	2680	5290	3580	7050	7180	14160
	6M (3072 x 2048)	15	31	300	600	620	1220	1230	2410	1870	3660	2500	4910	3770	7400	5040	9880	10110	19820
	4.5M (2560 x 1712)	22	45	440	860	890	1700	1740	3350	2650	5090	3550	6820	5360	10290	7160	13720	14360	27530
	2.5M (2048 x 1360)	35	69	680	1310	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	7.5M (3648 x 2056)	13	26	250	510	520	1020	1030	2010	1560	3050	2090	4090	3160	6170	4220	8230	8470	16520
	5.5M (3072 x 1728)	18	37	360	710	730	1420	1450	2800	2210	4260	2950	5710	4460	8610	5950	11490	11940	23050
	3.5M (2560 x 1440)	27	52	520	1000	1040	1980	2040	3890	3100	5910	4160	7920	6270	11950	8370	15940	16800	31970
	2M (1920 x 1080)	47	91	900	1720	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

FS6		Built-in Memory (Approx. 50MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	8M (3264 x 2448)	12	25	240	480	490	970	970	1910	1470	2910	1980	3890	2980	5880	3980	7840	7990	15730
	5M (2560 x 1920)	20	40	390	770	790	1530	1560	3010	2380	4580	3180	6130	4810	9260	6410	12350	12870	24780
	3M (2048 x 1536)	31	62	600	1180	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
	2M (1600 x 1200)	51	96	970	1830	1920	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29070	30970	58310
	0.3M (640 x 480)	240	400	4640	7550	8780	12290	17240	24130	26210	36700	35080	49120	52920	74090	70590	98840	141620	198270
3:2	7M (3264 x 2176)	13	27	270	530	550	1070	1080	2110	1650	3210	2210	4300	3330	6490	4450	8660	8930	17390
	4.5M (2560 x 1712)	22	45	440	860	890	1700	1740	3350	2650	5090	3550	6820	5360	10290	7160	13720	14360	27530
	2.5M (2048 x 1360)	35	69	680	1310	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	6M (3264 x 1840)	16	33	320	630	650	1270	1280	2510	1950	3820	2610	5110	3940	7710	5250	10290	10540	20650
	3.5M (2560 x 1440)	27	52	520	1000	1040	1980	2040	3890	3100	5910	4160	7920	6270	11950	8370	15940	16800	31970
	2M (1920 x 1080)	47	91	900	1720	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

Number of Recordable Still Pictures (Approx.)

: Fine : Standard

FS4/LS85		Built-in Memory (Approx. 50MB)	1GB		2GB		4GB		6GB		8GB		12GB		16GB		32GB	
Aspect Ratio	File Size (Pixels)																	
4:3	8M (3264 x 2448)		12	25	240	480	490	970	970	1910	1470	2910	1980	3890	2980	5880	3980	7840	7990	15730
	5M (2560 x 1920)		20	40	390	770	790	1530	1560	3010	2380	4580	3180	6130	4810	9260	6410	12350	12870	24780
	3M (2048 x 1536)		32	62	600	1180	1220	2360	2410	4640	3660	7050	4910	9440	7400	14240	9880	19000	19820	38120
3:2	2M (1600 x 1200)		45	84	950	1770	1910	3610	3770	7090	5730	10790	7670	14440	11570	21790	15440	29060	30970	58310
	2.5M (2048 x 1360)		36	69	680	1310	1360	2560	2680	5020	4070	7640	5450	10230	8230	15430	10980	20590	22020	41300
16:9	2M (1920 x 1080)		47	91	900	1720	1800	3410	3540	6700	5390	10190	7220	13640	10890	20580	14530	27450	29150	55070

LX3		Built-in Memory(Approx. 50MB)	1GB				2GB				4GB				8GB				16GB				32GB			
Aspect Ratio	File Size (Pixels)	RAW	RAW +	RAW +			RAW +	RAW +			RAW +	RAW +			RAW +	RAW +			RAW +	RAW +			RAW +	RAW +		
4:3	10M (3648 x 2736)	4	2	3	9	20	79	56	65	195	380	160	110	130	390	770	310	220	260	770	1520	640	450	530	1580	3100	1290	920	1070	3180	6250	2590	1840	2150	6390	12540
	7M (3072 x 2304)	—	3	3	14	28	—	61	69	270	540	—	120	140	550	1090	—	240	270	1090	2150	—	490	560	2230	4380	—	1000	1120	4490	8820	—	2010	2260	9010	17700
	5M (2560 x 1920)	—	3	3	20	40	—	65	71	390	770	—	130	145	790	1530	—	260	280	1560	3010	—	530	580	3180	6130	—	1070	1170	6410	12350	—	2150	2340	12870	24780
	3M (2048 x 1536)	—	3	3	32	62	—	70	74	600	1180	—	140	150	1220	2360	—	270	290	2410	4640	—	560	600	4910	9440	—	1140	1210	9880	19000	—	2290	2420	19820	38120
	2M (1600 x 1200)	—	3	4	51	97	—	73	75	970	1830	—	145	150	1920	3610	—	290	300	3770	7090	—	590	610	7670	14440	—	1190	1230	15440	29070	—	2390	2480	30970	58310
	0.3M (640 x 480)	—	4	4	240	400	—	77	154	4640	7550	—	155	155	8780	12290	—	310	310	17240	24130	—	630	630	35080	49120	—	1270	1270	70590	98840	—	2540	2540	141620	198270
3:2	9.5M (3776 x 2520)	4	2	3	10	21	83	59	69	200	400	170	120	140	410	810	330	230	270	810	1600	680	480	560	1650	3250	1360	970	1130	3330	6580	2740	1940	2270	6690	13210
	6.5M (3168 x 2112)	—	3	3	14	30	—	64	73	280	570	—	130	145	580	1150	—	250	290	1140	2270	—	520	590	2330	4630	—	1060	1190	4700	9320	—	2120	2390	9440	18700
	4.5M (2560 x 1712)	—	3	3	21	42	—	69	75	410	800	—	140	150	820	1610	—	270	300	1630	3170	—	560	610	3310	6460	—	1130	1230	6670	13000	—	2270	2480	13390	26080
	3M (2656 x 1768)	—	3	4	33	65	—	74	78	640	1230	—	150	155	1270	2450	—	290	310	2510	4820	—	600	630	5110	9820	—	1200	1280	10090	19760	—	2420	2560	20650	39450
	2.5M (2048 x 1360)	—	3	4	36	69	—	74	78	680	1310	—	150	155	1360	2560	—	290	310	2680	5020	—	600	630	5450	10230	—	1210	1280	10980	20590	—	2440	2570	22020	41300
16:9	9M (3968 x 2232)	4	3	3	11	22	89	63	74	210	430	180	125	150	440	870	350	250	290	870	1720	720	510	600	1770	3500	1460	1040	1210	3580	7050	2940	2080	2430	7180	14160
	6M (3328 x 1872)	—	3	4	15	32	—	69	78	310	610	—	140	155	620	1220	—	270	310	1230	2410	—	560	630	2500	4910	—	1130	1270	5040	9880	—	2270	2560	10110	19820
	4.5M (2784 x 1568)	—	3	4	22	45	—	74	81	440	860	—	150	160	890	1700	—	290	320	1740	3350	—	600	650	3550	6820	—	1210	1320	7160	13720	—	2440	2650	14360	27530
	2.5M (2208 x 1248)	—	4	4	24	47	—	76	81	470	920	—	160	170	1390	2670	—	310	330	2740	5240	—	640	680	5580	10670	—	1290	1370	11220	21480	—	2600	2750	22520	43100
	2M (1920 x 1080)	—	4	4	47	92	—	81	85	900	1720	—	165	170	1800	3410	—	320	330	3540	6700	—	660	690	7220	13640	—	1330	1390	14530	27450	—	2670	2790	29150	55070

FZ28		Built-in Memory (Approx. 50MB)	1GB				2GB				4GB				8GB				16GB				32GB			
Aspect Ratio	File Size (Pixels)	RAW	RAW + JPEG				RAW	RAW + JPEG			RAW	RAW + JPEG			RAW	RAW + JPEG			RAW	RAW + JPEG			RAW	RAW + JPEG		
4:3	10M (3648 x 2736)	4	3	9	20	79	65	195	380	160	130	390	770	310	260	770	1520	640	530	1580	3100	1290	1070	3180	6250	2590	2150	6390	12540
	7M (3072 x 2304)	—	—	14	28	—	—	270	540	—	—	550	1090	—	—	1090	2150	—	—	2230	4380	—	—	4490	8820	—	—	9010	17700
	5M (2560 x 1920)	—	—	20	40	—	—	390	770	—	—	790	1530	—	—	1560	3010	—	—	3180	6130	—	—	6410	12350	—	—	12870	24780
	3M (2048 x 1536)	—	—	32	62	—	—	600	1180	—	—	1220	2360	—	—	2410	4640	—	—	4910	9440	—	—	9880	19000	—	—	19820	38120
	2M (1600 x 1200)	—	—	51	97	—	—	970	1830	—	—	1920	3610	—	—	3770	7090	—	—	7670	14440	—	—	15440	29070	—	—	30970	58310
	0.3M (640 x 480)	—	—	240	400	—	—	4640	7550	—	—	8780	12290	—	—	17240	24130	—	—	35080	49120	—	—	70590	98840	—	—	141620	198270
3:2	9M (3648 x 2432)	4	3	11	22	89	73	210	430	180	145	440	870	350	290	870	1720	720	590	1770	3500	1450	1200	3580	7050	2910	2410	7180	14160
	6M (3072 x 2048)	—	—	15	32	—	—	300	600	—	—	620	1220	—	—	1230	2410	—	—	2500	4910	—	—	5040	9880	—	—	10110	19820
	4.5M (2560 x 1712)	—	—	22	45	—	—	440	860	—	—	890	1700	—	—	1740	3350	—	—	3550	6820

Living in High Definition with LUMIX

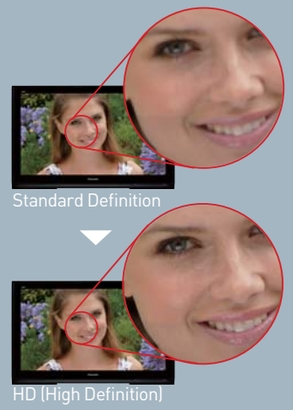
LUMIX lets you easily record and view both stills and movies in high definition.

HD PHOTO

All LUMIX models record wide-screen, 16:9, full-HD (1920 x 1080-pixel) images. These images are simply breathtaking when displayed on an HDTV, which handles about four times the data of a standard-definition TV. With LUMIX, you can enjoy a whole new style of HDTV viewing with family and friends.

HD MOVIE

In addition to capturing beautiful photos, LUMIX lets you shoot high-quality HD movies in the progressive format, which minimizes flicker. You get 1280 x 720-pixel motion images that look spectacular on a large-screen HDTV. If your LUMIX model uses the AVCHD Lite (MPEG-4/H.264), you can record longer motion image clips without running out of memory because AVCHD Lite stores less data than the standard Motion JPEG.



Connect Directly to an HDTV

HDMI Mini Cable

When a LUMIX camera with an HDMI output terminal is connected via an HDMI mini cable (purchased separately) to a VIERA Link-equipped TV and the VIERA Link function is turned on from the camera menu, you can use the TV's remote control to run the slideshow.

*HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

HD Component Cable DMW-HDC2

Easy HD Image Viewing with the SD Card Slot

High-Definition Plasma TV

It's easy to view photos or AVCHD Lite movies shot with your LUMIX camera. Just take the SD memory card from the camera and put it in the VIERA Image Viewer, and use the TV's remote control.*To play movies recorded in the Motion JPEG format, you need the included AV cable or a video cable.

Blu-ray Disc™ Player

Using the Slideshow playback feature, you can play a music CD at the same time you're showing the HD photos and movies, so you get both beautiful images and your favorite music.

*AVCHD Lite motion images recorded onto an SD Memory Card or a DVD disc cannot be played from a device that does not support the AVCHD standard.

EVERLASTING MEMORIES

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is a worldwide photographic project proudly supported by Panasonic.
The project aims to present the 851 sites designated as having "outstanding universal significance"
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of these beautiful and dramatic locations exclusively with LUMIX digital cameras.
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Digital photography, with is ideal for preserving these important places and memories.
Panasonic, by supporting the UNESCO Partnered OUR PLACE project
is committed to preserving the World's Heritage and
to helping create a new photographic culture.

http://ourplaceworldheritage.com

IN PARTNERSHIP WITH THE UNESCO WORLD HERITAGE CENTRE

Photographed on LUMIX

Panasonic is backing OUR PLACE - The World's Heritage, a project that will create the largest ever photographic collection of UNESCO World Heritage Sites.